# SUSTAINABILITY REPORTING BY ORGANIZATIONS: AN INTEGRATED APPROACH OR A SEPARATE CATEGORY WITHIN THE BALANCED SCORECARD BASED ON KEY DRIVERS THROUGH A MAPPING STRATEGY?

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#### ABSTRACT

This paper presents background information on the Sustainability Concept, Global Reporting Initiative and the Balanced Scorecard. The sustainability reports of four universities are considered with the University of North Carolina's sustainability report compared with the other three universities. The goals of University of North Carolina are integrated into the illustration by adding a fifth category to the Balanced Scorecard. The procedure is critiqued as to advantages and disadvantages of the integration procedure. Corporate sustainability reporting is presented and compared with the universities to support the position taken. The key drivers are basically the "Voice of Society" that is an aggregation of the concerns of the many stakeholders that make up the civic communities at the local, regional and national levels. The mapping strategy consists of simultaneous, complimentary themes that are incorporated in at least one of the original balanced scorecard categories.

#### INTRODUCTION

In recent years many corporations as well as some non-profit organizations have implemented environmental and /or social management assessments with a systematic procedure. Many organizations, especially non-profit ones, have focused on a separate reporting format with no real consideration to other aspects of the organization. The Balanced Scorecard methodology demonstrated in this paper provides a format for a possible bridge between all strategic and operative levels of an organization.

#### SUSTAINABILITY CONCEPT

The sustainability concept is relatively new and gaining wider acceptance especially for non-profit organizations. The concept refers to how organizations handle non-financial factors related to environmental, social and governance issues that potentially impact the organizations future performance, balancing the budget and value. Many view the sustainability report as a companion to financial reporting. The increased use of sustainability reporting at universities, for example, symbolizes the ever-crowding demand by stakeholders for more transparency and accountability (Burkowski, et. al., 2010).

The concept is also used synonymously with citizenship reporting, social reporting, triple bottom line reporting and other terms that encompass the economics, environmental and social/cultural aspects of an organizations performance and planning. For public and private agencies, sustainability reporting can be considered at three levels: organization-internal, policy outcomesexternal and contextual or spatial outcomes-regional (Centre for Public Agency Sustainability Reporting, 2007).

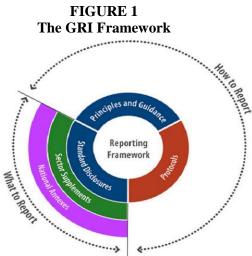
#### **IMA STATEMENT**

A Statement on Management Accounting (SMA) - The evolution of accountability-sustainability reporting for accountants, issued by IMA in 2008, details the evolution of sustainability reporting noting the phenomenon is still in its "infancy". IMA observed that "while some organizations are leading the way, many are either ignoring the issues, have not yet made a start, or are trying to figure out what to do, how to do it, and how to take action in a way that adds value." (Burkowski, et. al., 2010). Although sustainability reports lack reporting standards analogous to Generally Accepted Accounting Principles (GAAP), efforts to establish standards for sustainability reporting are ongoing.

#### GLOBAL REPORTING INITIATIVE

The Global Reporting Initiative (GRI) has evolved to address the challenges, such as, managing different mandatory and voluntary reporting commitments including annual reporting and to provide a global framework for sustainability reporting. The GRI, an independent institution in 2002, describes its mission as the development and dissemination of globally applicable sustainability reporting guidelines, first issued in 2000. The GRI is an official collaborating centre of the United Nations Environment Programme (UNEP). It continues to build connections and associations with other organizations and recently formed an alliance with the Global Compact. The GRI's current reporting guidelines (G3) have been voluntarily adopted by over 1,500 companies worldwide with over 950 organizations actively cite the use of the GRI in their reports (Centre for Public Agency Sustainability Reporting, 2007).

The GRI Framework consists of a central set of sustainability reporting guidelines (G3) which identify reporting principles, disclosures and performance indicators common to all organizations. Also, the GRI has developed sector supplements to provide additional guidance and performance indicators which are important for that sector but not fully reflected in the guidelines. The GRI reporting framework is illustrated in Figure 1 below (Centre for Public Agency Sustainability Reporting, 2007).



Source: GRI 2006

#### BALANCED SCORECARD

The concept of the Balanced Scorecard (BSC) was first introduced by Robert S. Kaplan and David P. Norton in1992. The basic premise of the BSC is that financial results alone cannot capture value creating activities. In other words, financial measures are lagging indicators and, as such, are not effective in identifying the drivers or activities that affect financial results. Therefore, Kaplan and Norton (1992) suggested that organizations, while using financial measures, should develop a comprehensive set of additional measures to use as leading indicators or predictors of financial performance. They suggested that measures should be developed that address four perspectives.

- 1. The financial perspective. Measures in this perspective should answer the question, "How should we appear to our shareholders?"
- 2. The customer perspective. These measures should answer the question, "How should we appear to our customers?"
- 3. Internal business processes perspective. Measures in this perspective should answer the question, "What processes must we excel at?"
- 4. Learning and growth perspective. These measures should answer the question, "How can we sustain our ability to change and improve?"

In essence, the Balanced Scorecard is a customer-based planning and process improvement system aimed at focusing and driving the change process. It does this by translating strategy into an integrated set of financial and non-financial measures that both communicates the organizational strategy to the members and provides them with actionable feedback on attainment of objectives.

A critical factor for an effective BSC is the alignment of all the measures in the four perspectives with the organization's vision and strategic objectives. The BSC allows managers to track short-term financial results while simultaneously monitoring their progress in building the capabilities and acquiring the intangible assets that generate growth for future financial performance (Kaplan and Norton, 1992). Thus, the BSC enables managers to monitor and adjust the implementation of their strategies and to make fundamental changes in them overtime (Karathanos, 2005).

BSC applications focus on for profit organizations. However, a few studies of the BSC look specifically within Business schools for applications include Drtina, Gilbert, and Alon (2007) who suggested integrating measures with clearly defined strategies as a first step with various guidelines. Armitage and Scholey (2004) successfully applied the BSC to a specific master's degree program in business, entrepreneurship, and technology. Cullen, Joyce, Hassall, and Broadbent (2003) proposed that a Balanced Scorecard be used in educational institutions for reinforcement of the importance of managing rather than just monitoring performance. Sutherland (2000) reported that the Rossier School of Education at the University of Southern California adopted the Balanced Scorecard approach to assess its academic program and planning process. Chang and Chow (1999) reported that responses in a survey of 69 accounting department heads were generally supportive of the Balanced Scorecard's applicability and benefits to accounting programs [5]. Also, Chang and Chow (1999) indicated that in 1993 the University of California, San Diego's senior management launched a Balanced Scorecard planning and performance monitoring system for 30 institutional functions using three primary data sources: 1) UCSD's internal financial reports; 2) National Association of College and University Business Officers benchmarks; and 3) faculty, staff and student customer-satisfaction surveys. This exercise was conducted under the framework of the university's vision, mission, and values. Reported benefits and outcomes to date have included reorganization of the workload in the vice chancellor's area,

revision of job descriptions with performance standards, introduction of continual training for user departments, ongoing customer assessments and increased responsiveness to communication needs through the use of technology. O'Neil and Bensimon (1999) described how a faculty committee at the Rossier School of Education of USC adapted a Balanced Scorecard model originally developed for business firms to satisfy the central administration's need to know how they measure up to other schools of education. The format of the Balanced Scorecard adapted by the faculty included the following four perspectives: 1) academic management perspective (How do we look to our university leadership?); 2) the internal business perspective (What we excel at?); 3) the innovation and learning perspective (Can we continue to improve and create value?); 4) the stakeholder perspective (how do students and employers see us?). O'Neil and Bensimon (1999) indicated the following favorable results from the "academic" scorecard implementation:

- 1. Easier approach for the university to accomplish its strategic goals.
- 2. A systematic and consistent way for the provost's office to evaluate performance reports from various schools and departments.
- 3. The scorecard established common measures across academic units that have shared characteristics.
- 4. The simplicity of the scorecard makes it easier for academic units to show how budget allocations are linked to the metrics of excellence.

#### CONCEPTUAL VIEWPOINT

The following concepts are an integral part of the paper:

- Strategy Map- describes how an organization matches its own capabilities with the opportunities in the marketplace to accomplish its overall objectives.
- Balanced Scorecard- a tool that translates an organization's mission into a comprehensive set of performance measures that provides the framework for implementing its strategy.
- Continuous improvement- the process and company philosophy that create a never-ending search for higher levels of performance within many organizations.
- The preamble to the 2003 AACSB standards for business accreditation challenges schools to engage in continuous improvement of the quality of the content, delivery, and administration of management education.

At the organization level, developing the Balanced Scorecard involves identifying several key components of operations, establishing goals for these and then selecting measures to track progress toward these goals. The number and nature of components can be expected to vary depending on the nature and the strategy of the organization, though the following four components are typical for a Balanced Scorecard:

- 1. The financial perspective. Measures in this perspective should answer the question, "How should we appear to our customers?"
- 2. Customer Perspective (How do our customers see us?). This component tracks how well the organization is meeting the expectations of its customers.
- 3. Internal Business Perspective (At what must we excel?). It focuses on the internal processes that the entity must perform well if it is to meet customers' expectations.
- 4. Innovation and Learning Perspective (Can we continue to improve and create value?). This component focuses on the infrastructure that the entity must build and sustain in order to ensure and enhance its ability to satisfy customers' expectations.

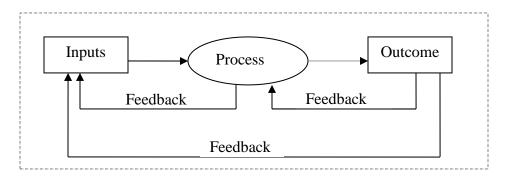
#### **MEASURES**

The strategic directions can be developed and measured within the generic structure of the Balanced Scorecard. Appendix A is the adaptation, including the sustainability perspective of the

sample Balanced Scorecard developed by Bailey, Chow, and Haddad (1999) for a university and its strategic business units.

The inputs are transformed into outputs as a result of a defined set of related steps or operations called a process. Generally the inputs represent resources from both the internal and external environments, including the products or outputs from other subsystems of the school or university including students, physical environment and organizational infrastructure. The outputs generated by the system include the service or value addition generated by the process. The outputs can be assessed using outcomes-related metrics. The purpose of the feedback loop is to facilitate continuous improvement through the entire transformation process. The basic model is shown in Figure 2 below:

FIGURE 2 TRANSFORMATION PROCESS MODEL



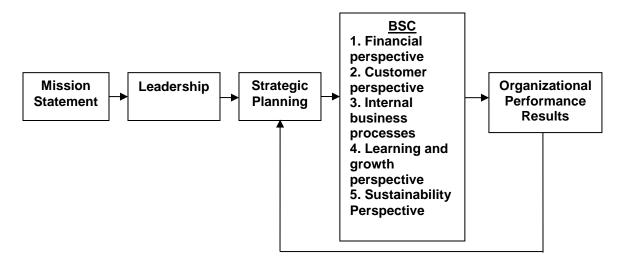
## AN INTEGRATED FRAMEWORK APPROACH

The integrated framework approach within the expanded balanced scorecard would start with the overall strategy based on the mission statement. The mission statement would be integrated with resources such as faculty including their perspectives of teaching, research, and service. A comprehensive strategy would include measures or metrics including sustainability with the five perspectives outlined. The content within the perspectives would be viewed on a continuum of improvement over time. The framework can be further developed by considering other standards for measurement and application within the BSC and consideration of actual data provided by a university.

The balanced scorecard strategy map provides a framework for the five categories to illustrate how strategy links intangible assets to value-creating processes. The objectives of the five perspectives are linked together by the cause-and-effect relationships. Aligning objectives in these five perspectives is the key to value creation and sustainability and hence, to a focused and internally consistent strategy (Kaplan and Norton, 2004).

The framework would provide a systematic perspective for long-term planning and decision making. A generic architecture to describe the framework is shown in Figure 3. The measures or metrics could be further developed into a BSC strategy map as illustrated by Kaplan and Norton (2004). Each measure would be considered in a chain of cause-and-effect logic that connects the desired outcomes from the strategy with the drivers.

FIGURE 3
GENERIC ARCHITECTURE



Continuous improvement within an environment including relationships and challenges will lead to the planned or expected outcomes. The measures or metrics illustrated in this paper may then be tied to multiple goals. The important concept is that each measure or metric align with the organization's strategy based on the mission statement.

#### INTEGRATION OF SUSTAINABILITY REPORTING WITHIN THE BSC

One can argue that the Balanced Scorecard needs another perspective in addition to financial, customer, process and learning and growth to present the environment by simply adding an environmental perspective to a balanced scorecard. It can cause two problems:

- 1. It can mean you lose the drivers of sustainable activity.
- 2. It can also cause you to look at sustainable activities in isolation rather than as a part of what everyone does (Excitant, 2003-2010).

Sustainability or environmental strategy is a theme of the organization's strategy that spans the existing balanced scorecard perspectives. It is considered a vertical theme of the organization's strategy map (Excitant, 2003-2010). However, the proposed procedure is not to integrate the metrics into the existing balanced scorecard of an organization. The goals of the University of North Carolina have been added as a separate category (Sustainability Perspective) to the goals and measures of Table 1. The selected universities in Table 2 indicate that only Princeton University identified specific goals. There are many similarities among these universities as compared to Princeton University. The University of North Carolina has the most detailed report as indicated in table 2 under the other areas section.

TABLE 2 COMPARISON OF UNIVERSITIES

GOALS	PRINCETON UNIVERSITY	UNIVER OF CAROLI	NORTH	UNIVERSITY OF MARYLAND	CLARK UNIVERSITY
GREENHOUSE	Utility Emission	Climate	Change	Carbon	Greenhouse
GAS	Reduction	(Reduce		Neutrality	Gas Inventory
REDUCTION		Greenhou	se Gas	(Mitigating	·

	Transportation	Emissions) Energy Transportation	Emissions from Power and Operations)	Renewable Energy
RESOURCE CONSERVATION	Storm Water Management and Domestic Water Conservation  Solid Waste and Green Cleaning  Purchasing Good, Services and Food Products	Water and Storm Water Management Food Purchases Waste Reduction and Recycling	Conservation Transportation Storm Water Conservation Water Conservation Green Cleaning Waste Management Dining	Waste and Recycling Paper Use
RESEARCH, EDUCATION AND CIVIC ENGAGEMENT  OTHER AREAS	Research and Education  Civic Engagement  Communications	Academics and Research  Public Service and Engagement  Globalization  Outreach  Green Buildings  Grounds	Curriculum Sustainability  Education and Research  Engaging Local and Global Communities Green Buildings	Curriculum
		Historic Preservation Housekeeping Services Wellness		

Princeton University issued an updated sustainability report in 2009. The report used benchmarks developed in 2007 by the Princeton Sustainability Committee. The report objectives included:

- 1. To report on progress toward sustainability goals.
- 2. To describe the evolving nature of the goals.
- 3. To illustrate the comprehensive nature of the Princeton University approach (Princeton, 2009).

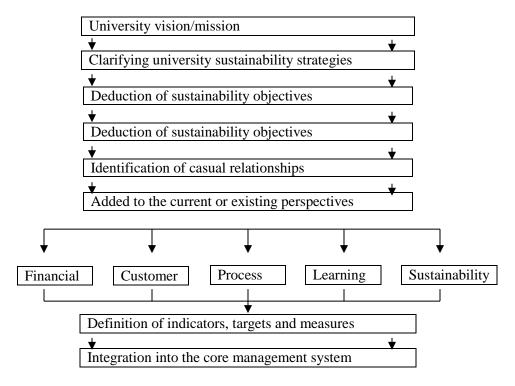
The disadvantages of a separate category include:

- 1. Required review of all metrics within the balanced scorecard
- 2. Lack of possible integration of metrics
- 3. Lack of avoidance of duplication of effort
- 4. Attention to boundaries and overlap
- 5. Possible weighting of the sustainability metrics with the overall metrics of the organization
- 6. Lack of greater efficiencies recognized and implemented to more effectively utilize resources
- 7. Lack of identification of saved resources that affect a balanced budget
- 8. Lack of a synergistic approach to the management of the organization

The advantages of a separate category include:

- 1. Emphasis or focus on the sustainability goals
- 2. Duplication of effort avoided
- 3. Lack of conflict over boundaries
- 4. Proper weighting of sustainability metrics with the overall metrics of the organization
- 5. May effectively utilize reserves
- 6. No proper identification of what resources were actually saved
- 7. Proper reporting of sustainability achievements
- 8. May question established strategies, structures, and processes
- 9. Loss of power or independence by social managers
  To assure success, the following steps may be followed:

FIGURE 4 DEFINING THE STEPS



Source: Bieker, 2003

Figure 4 represents specific steps as compared to the generic architecture of Figure 3. The broad participation of employees in the development process from different levels of management as well as an attitude of being open and willing to learn, a skillful project manager, and a good placement of the balanced scorecard within the management tools and processes are continually important to success. The culture within the organization will need to change to achieve success (Bieker, 2003)

#### **CORPORATE SUSTAINABILITY**

The corporate social responsibility (CSR) monitoring has been gathering momentum for over a decade. This growth has raised questions such as –How to define the concept, How to measure and How to make good on promises. The intention of sustainability encompasses a broad range of corporate values and concerns including reputation, transparency, social impact, ethical sourcing, profitably and civil society (Crawford and Scaletta, 2005).

One of the fundamental opportunities for the movement is how to effectively align consumer and employees values with corporate strategy to generate long-term cognizant benefits by implementing a balanced scorecard approach. This management tool is well positioned to support knowledge building efforts to help organizations make their values and vision a reality. The balanced scorecard facilitates decision- making based upon values and metrics that can be defined to support long-term cognizant benefits (Crawford and Scaletta, 2005).

A KPMG report based on a survey of more than 1,000 companies worldwide documented the top ten motivators driving corporations to engage in CSR for competitive reasons. By creatively responding to the market forces generated by CSR movement, organizations including universities can reap considerable benefit. Below are just three examples of the myriad CSR performance motivators that are top -of -mind for executives:

- 1. Working with stakeholders
- 2. Cultivating green consumers
- 3. Banking of the bottom line

One of the benefits of the performance motivators other than adding to the bottom line is the ability to understand measures and improve the use of resources (Crawford and Scaletta, 2005).

Appendix B demonstrates how the Balanced Scorecard can be either introduced or adapted to strategically align an organization's values with specific marked forces. A variety of GRI indicators were selected and paired with ten market forces to demonstrate the wide range of values that can be addressed through the Balanced Scorecard. Organizations including universities that either adapt and/or adopt a Balanced Scorecard that includes CSR elements could compete on either cost leadership or differentiation or both.(Crawford and Scaletta, 2005).

The Balanced Scorecard can help overcome resistance to stand-alone CSR initiatives as well as identifying opportunities and challenges. Johnson & Johnson experience with sustainability reporting illustrates that there must be management buy-in for the process to be successful. Also, J. & J. maintains frequent contacts with many of the stakeholder groups, thus generating some form of external assurance (Burkowski, et. al., 2010).

#### **CONCLUSION**

The integration procedure of the sustainability perspective metrics as a fifth category within the balanced scorecard offers a possibility for organizations including universities to translate sustainability visions and strategies into action plans with the resulting reports providing a basic for assessment and further directed action. In addition, the integrated framework provides high

potential for the integration of environmental and social aspects and objectives into core management of the organizations. Sustainability reporting still has a long way to go in identifying the proper operation and audit related issues. The future may be in a new paradigm of developing a unique business reporting structure, based on accounting standards that would enable the traditional financial reporting systems to work in a synergistic manner with other non-financial disclosures in the form of financial figures to the extent possible.

#### APPENDIX A

### BALANCED SCORECARD COMPONENTS

1. Stakeholder/Customer Perspective

GOALS	<u>MEASURES</u>		
1) Students	Average SAT, GMAT, GRE		
Attract high-quality ethically diverse	High school QPA		
students	Market share of student enrollment		
	Geographic draw area		
	% minority enrollment		
Develop high-quality students	Student portfolios		
	GPA over time, average grades awarded		
	Integration of technology into curriculum		
Retain high-quality students	Financial aid offered		
	Retention rate		
	Student satisfaction surveys		
	Tuition compared with comparable schools		
Graduate high-quality students and	Number of degree awarded		
improve placement	Number of students recruited		
	Starting salaries		
	Number of visits by recruiters		
2) Employers-Satisfaction with	Employer survey rating graduates' effectiveness		
graduates	Perception surveys		
č	Support of programs and initiatives		
3) Faculty satisfaction and quality	Participation in decision-making		
	Encouragement for research, attendance of		
	conferences		
	Office space and computer availability		
	% full time, % doctorally qualified		
	Level of faculty publications/conference		
	attendance/presentations		
	Student perception of faculty quality		
	Student/teacher ration		
	% of budget devoted to faculty development		
4) Alumni satisfaction	Increased assistance with placement		
	Level of alumni giving		
	Number of alumni attending special events		
	$\mathcal{U}_{-1}$		
	<i>O</i> 1		
5) Community Public-Enhance	Employer surveys		
5) Community Public-Enhance relationships with community,			

Internships/co-op programs	
Advisory committees	

2. Internal Business Perspective

2. Internal Dusiness I erspective			
<u>GOALS</u>	<u>MEASURES</u>		
1) Teaching and learning excellence	Evaluation by external reviewers and employers		
	Peer review		
	Student satisfaction with teaching quality		
	Grade point standards		
	Quality and technological level of computer		
	labs and libraries		
	Presentation capabilities		
	Degree of deployment of technology in		
	learning experience		
2) Curriculum/program excellence	Degree to which curriculum is up-to-date with		
	educational, business, and commercial trends		
	Reviews by advisory boards		
	Periodic review of each program		
3) Quality and currency of faculty	Faculty credentials, development plans, appraisals		
	Contacts with business and industry		
	Utilization rate of multimedia in classrooms		
4) Efficiency and effectiveness of services	Degree cycle time		
,	Teaching load policy management		
	% of students completing program in 4 years		
	Analysis of use of space		
	Student satisfaction		
	Placement services and opportunities		
	Availability of internships/co-ops		
	Allocation and use of equipment and supplies		

3. Innovation and Learning Perspective

<u>GOALS</u>	<u>MEASURES</u>
1) Teaching and learning innovation	Number of innovations incorporated into
and faculty development	classroom
	Level of equipment
	Quality of instruction/advising/mentoring
	Number of ongoing instructional development programs
	Number of new initiatives/courses/programs
	Formally approved curriculum changes
	Seminars presented
	Expenditures for teaching enhancement
	Number and quality of faculty
	publications/presentations
	Attendance at conferences
	Honors and wards received by faculty
	Innovation versus competitors
2) Quality of facilities	Adequacy of classrooms, equipment, computers,

	library resources	
	% of budget for improved facilities	
	Time required to service, replace, allocate	
3) Specific strategic decision	Reports of the implementation of	
implementation-decentralization of	decentralization efforts for sites	
campuses	Evaluation of strategic planning results	

4. Financial Perspective

4. Financial Perspective		
<u>GOALS</u>	<u>MEASURES</u>	
1) Fund raising	Total funds raised	
	Alumni/business funds generated	
	Size/growth of endowment	
	Number of donors	
	Growth rate of annual fund	
	Number and amounts of grants and contracts received	
	Level of unrestricted funding	
2) Revenues from operations	Tuition revenue growth	
_	Nontuition revenue as% of annual budget	
	% of funds from tuition that stay internally	
	Contribution analysis	
	Class size, student/faculty ratio	
3) Human capital investment	Faculty turnover rate	
	Salaries relative to peer group	
	Dollars/faculty	
	Program for release time and sabbaticals	
4) Financial management-Budgeting	Balanced budgets and increased budgets	
	Funds totally accountable	
	Efficiency and effectiveness of budget	
	allocations spent	
	Effectiveness of monitoring supplies and	
	equipment	
	Number of dollars for each revenue	
	generating activity	
	Cost per "credit hour production" relative to	
	benchmark.	
5 Crestainabilites Danamaatissa		

# 5. Sustainability Perspective

<u>GOALS</u>	<u>MEASURES</u>
1) Greenhouse gas reduction	No. of new alternative technologies applied to
	decrease emissions
2) Energy	LEED equivalency
	Green Buildings
3) Transportation	Campus Shuttle System
	No. of cars commuting to the campus
4) Academics and research	No. of research initiatives
	Changes in curriculum No. of multi and
	cross-cultural programs
	No. of apprenticeship and internships for
	graduate and undergraduate students

5) Purchasing goods, services and	No. of purchasing contracts for green goods	
food products	and services	
	No. of programs developed	
6) Communication	No. of new initiatives/ projects	
	Signs at appropriate places	
7) Storm Water management and domestic	No. of approaches used/techniques designed	
Water conservation	Use of conserving technologies	
	No. of storage systems installed	
8) Waste reduction and recycling	Tonnage changes	
9) Public Service and engagements	No. provided	
10) Globalization/Outreach	No. of students participating	
11) Grounds/ Historic Preservation	Documentation of changes	
12) Housekeeping services	Ratings by type of building usage	
13) Wellness	Changes in the number of visits to the infirmary	

APPENDIX B EXAMPLES OF HOW TO INTEGRATE CSR INTO THE BALANCED SCORECARD'S FOUR PERSPECTIVES

Balanced Scorecard Perspective	10 Market Forces (Objective)	GRI Measure: How success or failure is measured using the triple bottom tine (A common framework for sustainability reporting)	Target: The level of performance or rate of improvement required
Financial	"Green" consumers	Energy consumption footprint (annualised lifetime energy requirements) of major products	Annual reduction in energy footprint for new products
Financial	Energy crunch	Direct energy use segmented by source	100% renewable energy
Financial	Financial	Increase/decrease in retained earnings at end of period	Percentage
Internal	Pollution and health	Standard injury, lost day and absentee rates and number of work-related fatalities (included subcontractors)	O lost-time injuries & fatalities, or long-term illnesses
Internal	Climate change	Total greenhouse gas emissions	Annualised reduction
Internal	Governments and regulators	Incidents and fines for non-compliance with all laws and regulations	0 incidents or fines
People and Knowledge	Civil society/NGOs	Policies, guidelines and procedures to address needs of Indigenous people	Number of Indigenous employees
People and Knowledge	Activist shareholders	Business units currently operating or planning operations in or around protected or sensitive areas	Number of employees trained in environmental management practices
Customer	Erosion of trust/transparency	Policy to exclude all child labour	No child labour
Customer	Globalization backlash	Supplier performance related to environmental commitments	Use of 100% organic cotton or coffee

**Source:** Crawford, David and Todd Scaletta(2005), "The balanced Scorecard and Corporate Responsibility Aligning Values for Profit", *CMA Management*, October, 2005, 7.

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