



Sustainability: Historical Perspective, Present Directives, And Future Influence On IAAP Members

Executive Summary



- Sustainability Benefits:
 - Profitability
 - improving global marketplace penetration
 - gaining a social license to operate
 - providing a competitive advantage
 - identifying and controlling risk
 - generating additional revenue streams
 - minimizing environmental impacts







Executive Summary



- Origin of Sustainability
- What is Sustainability?
- Sustainability 1989 to Present
- Sustainability Principles
- Sustainability Benefits
- Case Study of Sustainability –
 Fairmount Minerals
- IAAP & Sustainability
- Resources





























Population growth video

world growth sim.wmv



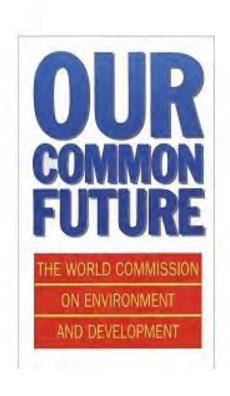




- In 1983 World
 Commission on
 Environment &
 Development researched:
 - Population growth
 - Modern technology
 - Consumer demand
 - Environmental issues







- Research findings Concluded:
 - Rate of consumption not in balance
- ▶ 1987 Brundtland Commission Report
 - Our Common Future
 - Launched the concept of "Sustainable Development"





What is Sustainability?

- "Sustainability" is the capacity to continue a lifestyle indefinitely
- "Sustainable Development" is development that meets the needs of the present without compromising the ability of future generations to meet their needs
- "Sustainable Business" is a non traditional strategy that:
 - Strives to maximize effectiveness
 - Restore environmental quality
 - Build social equity while increasing long-term profitability





What is Sustainability?



Sustainability 1989 to Present

1989 - 1999

- 1989 CERES founded to introduce sustainability to business
- 1991 McDonough Architects The Hannover Principles
- 1994 Paul Hawkins The Ecology of Commerce
- 1999 Dow Jones Index Sustainability Index

2000 Global Reporting Initiative – Sustainability Guidelines

- 2002 Jane Benyus Biomimicry Innovation Inspired by Nature
- 2002 Lafarge First Sustainability Report
- 2002 McDonough Cradle to Cradle: Remaking the Way We Make Things
- 2003 Holcim, Sustainability Report and Vulcan, Social Responsibility Report

2000 - 2003

- 2005 Fairmount Minerals Corporate Responsibility Report
- 2007 NSSGA Board Guiding Principles for Sustainable Aggregates Operations
- 2008 The Business & Institutional Furniture Manufacturer's Association (BIFMA)
- 2010 ISO 2600 Social Responsibility Guidance Standard







Sustainability Principles

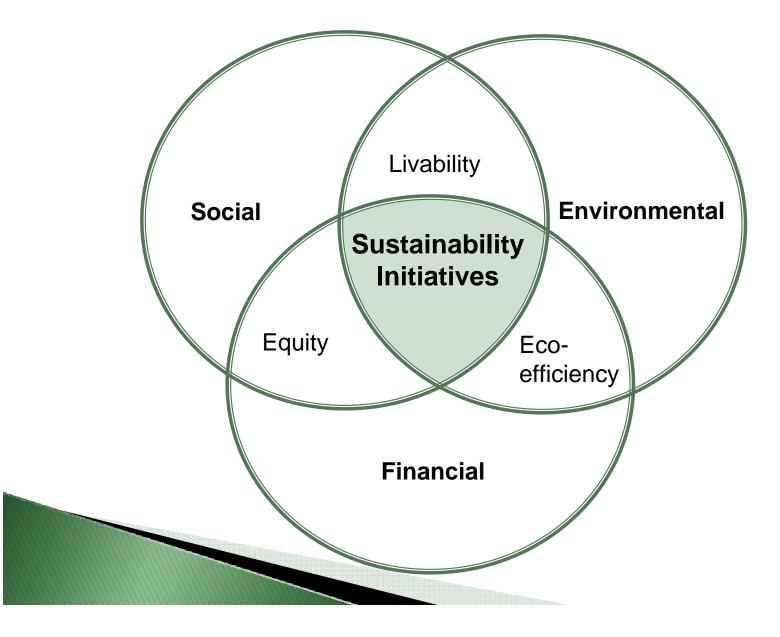


- Sustainable business innovation requirements:
 - Financial benefits for the company;
 - Social benefits for employees and members of the local community
 - Environmental benefits for the natural world
- Commonly referred to as: the Triple Bottom Line

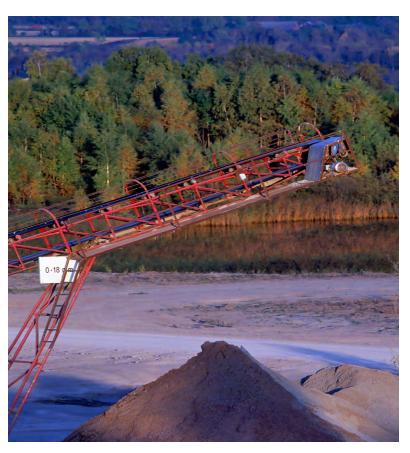




Sustainability Principles



Financial Benefits



- Accessing capital
- Increases ability to compete locally and globally
- Efficient use of resources spurs innovation





Social Benefits

- Improve community relationships
- Improve license to operate
- Improve corporate image



employees

Attract and retain

 Improve communication across all divisions within a company

Fairmount Minerals School Tour





Environmental Benefits

- System of Environmental Management improves corporate image
- Reduces legal and regulatory risk
- Encourages long-term planning (returning land to natural habitat, addressing environmental concerns before they become a regulatory or liability issue)

Sustainability Benefits

Implementing sustainability initiatives enhances corporate reputation, improves business innovation, and can create a competitive advantage for businesses.



Fairmount Minerals Embraces Sustainability







Sustainability







Financial

- Increase ROI
- Increase building value
- Increase productivity
- Lower life cycle cost
- Attract government attention
- Marketing benefits



Social

- Employee satisfaction
- Improve well being
- Improve surrounding community
- Attract public attention



Environment

- Reduce global warming
- Restoring natural habitat
- Less pollution







IAAP & Sustainability



 Consensus among Board Members that IAAP membership should begin to be educated on the subject







IAAP & Sustainability

IAAP's Current Efforts

- Rock Solid Safety Awards
- Community Relations
- Environmental compliance
- Working with lawmakers
- Quality recycled materials
- Emailing newsletters

Sustainability Committee Goals

- Educate members
- Create web-based guidance documents & education programs
- Create industry specific assessment tools
- Implement & develop user groups
- Create a database of best management practices

IAAP & Sustainability

- Sustainability Committee is seeking member participation
- Future meetings will coincide with Environmental Committee Meetings



Resources

- Our Common Future: http://www.worldinbalance.net/intagreements/1987-brundtland.php
- ASTM Sustainability Standards: http://www.astm.org/COMMIT/astmsrole.html
- Global Reporting Initiative: http://www.globalreporting.org/Home
- GRI Board Mining and Metals Sector Supplement: http://www.globalreporting.org/NR/
- rdonlyres/25EEFOC7-F050-48CA-9FF5-C79F359D9976/0/SS_MiningMetals_ENG.pdf
- Fairmount Minerals Corporate Social Responsibility Report: http://www.fairmountminerals.
- com/2008CSR/
- West Michigan Sustainable Business Forum: http://www.wmsbf.org/
- Dow Jones Sustainability Index: http://www.sustainability-index.com/
- Business and Institutional Furniture Manufacturer's Association: http://bifma.org/public/
- SusFurnStdArchive/Draft/2009-02-20%20e3.pdf
- NSSGA Self Assessment Guide: http://www.cxnz.net/nssga/survey/sustain.html







Thank You

Wendy Schlett

Project Manager

GZA GeoEnvironmental, Inc.

Phone: 616-956-6123

Cell: 616-648-4333

wendy.schlett@gza.com

Mike Melton

EHS Coordinator

Fairmount Minerals, Inc.

Phone: 815-431-8692

Cell: 815-830-2920

mike.melton@fmsand.com





