

Think globally,  
Act locally

# Sustainability Quarterly Newsletter

Second Issue : W1, October, 2013



“Never refuse to reuse”



## Inside Contents

Message from the President	Page # 02
FPC Sustainability goals & achievements	Page # 03
FPC participation in CDP	Page # 03
FPC participation in ACI	Page # 03
FPC Sustainability report (GRI)	Page # 04
Employee's Corner	Page # 05
Employee's Corner	Page # 06
Employee Kid's Corner	Page # 07
Do You Know facts & figures	Page # 07



Issued By: Sustainability Steering Committee, SSC



## President Message

**Sustainability Oriented Organization**

In our journey toward building a sustainability-oriented organization, it is essential to keep ourselves alerted of the importance of objectives and goals that we all together at Al-Farabi, as responsible organization, strive to achieve. Each one of us, individually and all of us collectively as a team, are having a noble mission that we inherit and perform to live a quality life and to save our planet for children, families, grandchildren and future generations.

We are all part of this small world, effected and affected by all taken actions whether others or we cause them. This global interaction mandates individuals, corporates, governments, etc. to work together for achieving this common goal. Therefore, competition in sustainability among responsible organizations to take the leading positions in their respective business is becoming a strategic goal and critical success factor.

Al-Farabi has recognized its mission toward sustainability, took the initiative to adopt the sustainability concepts, then established in-house sustainability function, sets targets and develop plans to be within the next few years in the top sustainability quartile and take the leading position in NP/LAB manufacturing and supplying business.

Sustainability team has done an excellent effort so far. Their commitment is well reflected in the magnitude of work, follow up and sustainability dimensions excellent results so far. They, however, cannot do everything since their role does not go beyond awareness, communication, facilitation, and reporting. It is **YOU** and **I** who can make it.

I am confident that with your commitments and compliance, will together Achieve the Goal!

**Mohammed Z. Al-Wadaey**



## Farabi Sustainability Goals & Achievements

### Operational Strategy

Goals	KPI's	Year 2011	Specific Benchmark	Target for 2013	YTD 2013	% reduction
Energy Usage	Specific Fuel Consumption (MMBTU/MT of Products)	12.182	12.034	11.793 (2 % reduction)	10.00	16.90
	Specific Electricity Consumption (KWH/MT of Products)	288.920	287.023	281.283 (2 % reduction)	294.19	-2.50
CO2-e Emission Intensity	Scope-1, Scope-2 and Scope-3 Emissions	0.876	0.876	0.858 (2 % reduction)	0.846	3.42
Waste Disposal	Specific Hazardous Waste Generation (kg/MT of products)	1.218	1.218	1.157 (5 % reduction)	0.08	93.43
	Specific Municipal Waste (Office waste, G. Waste) Generation (kg/MT of products)	0.910	0.910	0.819 (10 % reduction)	0.85	6.59
Water Usage	Specific Water consumption (M <sup>3</sup> /MT of products)	0.670	0.635	0.603 (5 % reduction)	0.54	14.96

### Social Responsibility

KPI's	Target 2013	YTD 2013
No. of Children's reach out	100 Childrens	In-Progress (Achieved > target)
Reduce Fugitive Emissions	5 % reduction on 2012 baseline	Planned as an initiatives
People Reachout for Climate Change Campaign		27000

### Employees Health & Safety

KPI's	Actual 2012	Target 2013	Actual YTD 2013
Recordable Incident rate (No. of recordable incidents per 200000 hrs of working)	0.56 (YTD)	0	0
Out of office Incident rate (No. of recordable incidents per 200000 hrs of working)	1.70 (YTD)	50 % rereduction	7.44
Employee health check-up reachout	As planned	one third of employee	Per target
Reduce radiation exposure levels	0.07 man-mSv/y	5 % reduction	0

### FPC Participation in CDP

We are being a part of CDP as supply chain member of Unilever since year 2010.

CDP report summarizes the standard questionnaire responses collected from the Carbon Disclosure Project (CDP) survey and provides information about how your company scored compared to other respondents. Your response to CDP was scored on two factors: Disclosure and performance. Disclosure is a measure of transparency of information while Performance measures action your company has taken to mitigate risk from climate change. This report provides a summary of how your response scored overall, which categories you scored well in and opportunities for improvement.

As per CDP evaluation FPC submission for year 2012 has resulted in 72% for Disclosure scores.

**Disclosure score:** Is express out of 100 and reflects the completeness and quality of the response, and hence its usefulness to data users. We have been scored upper band of 2<sup>nd</sup> top quartile compared to other respondent

### FPC Participation in ACI

As a part of signatory member of American Cleaning Institute (ACI), we had submitted our article on "Hand Hygiene Campaign 2013" which has been published in ACI annual report and also FPC logo displayed in ACI home page as a sustainability member company alongside with big multinationals company.

Find below link for FPC report published in the ACI annual sustainability report:

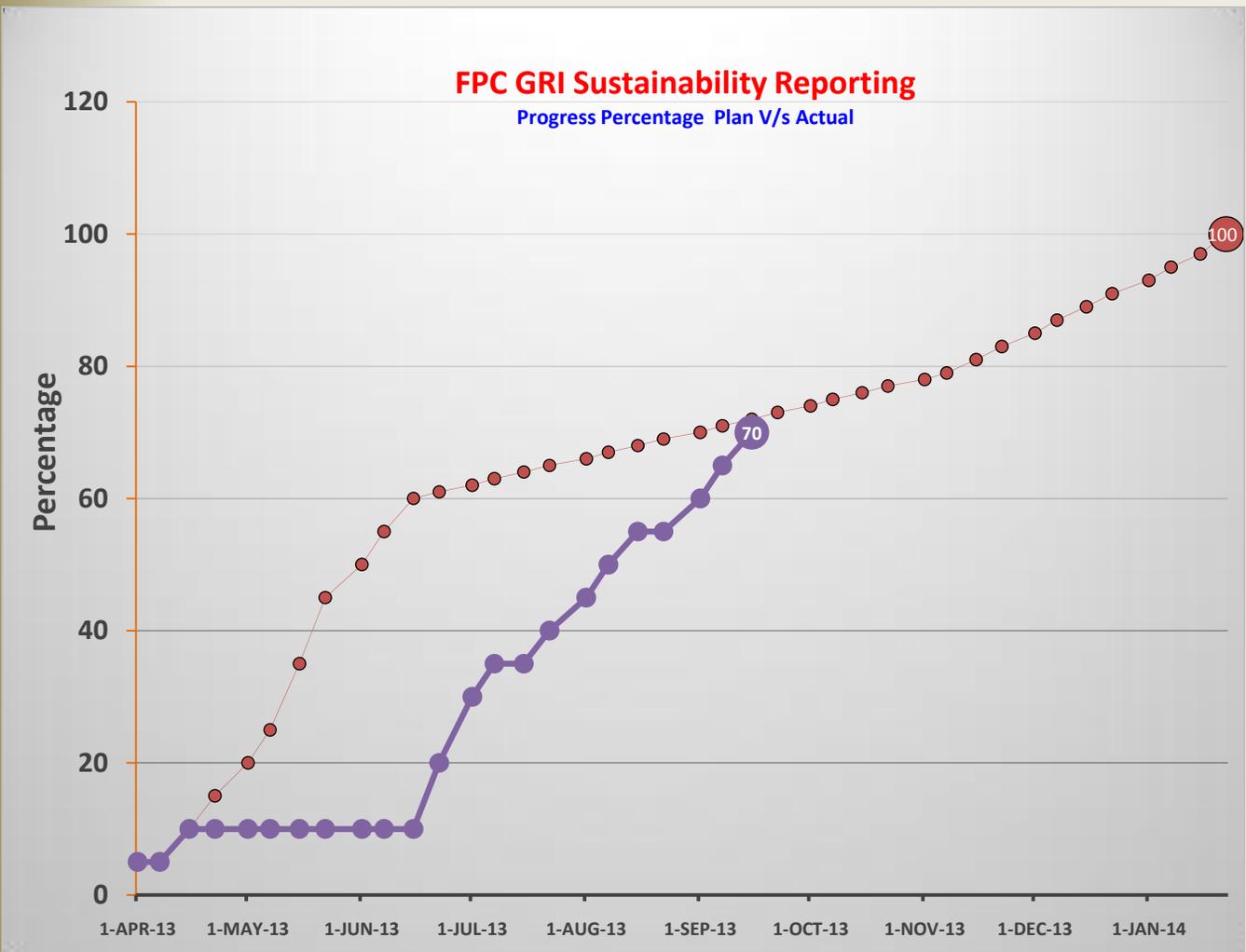
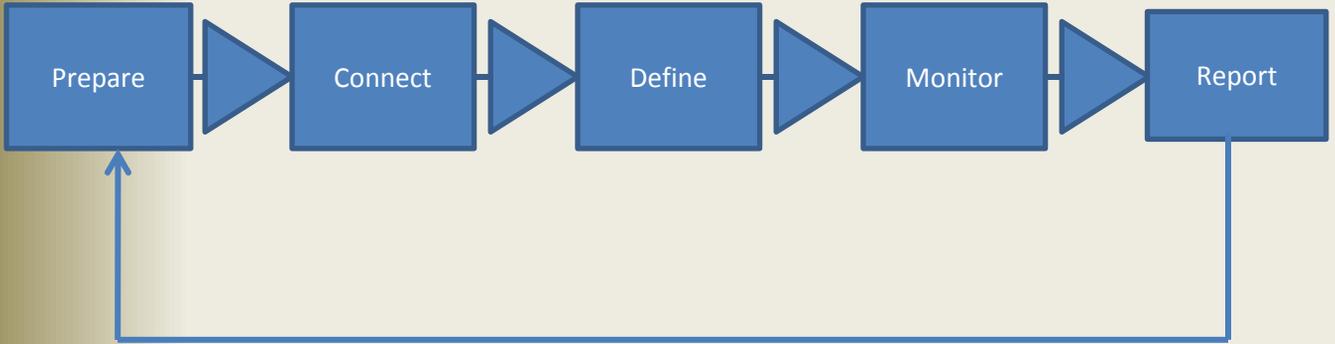
<http://www.cleaninginstitute.org/sustainability2013/>

<https://www.mycleaninginstitute.org/fb/Sustainability/2013/Members/Members.html#p=33>



# FPC GRI Sustainability Report

(GRI) Sustainability reporting process: 5 Steps





## Employee's Corner

### GARBAGE SEGREGATION AND ITS CONTRIBUTION TOWARDS SUSTAINABILITY

It is often believed that, Waste is always a Waste and what can be used from that. In the past decades, emphasis is given only on minimizing generation of waste. Now to this, there is an added focus. Extract the maximum out of waste. There are technologies which convert organic/ food wastes to biogas which could play a big part in creating renewable energy

Do u know that 30-60% of the waste generated from houses, Grocery stores, restaurants can be used? It may be surprising to many. Wastes are segregated into two types. 1) Organic waste and 2) Inorganic waste. Organic waste means wastes from Plant or animal sources and Inorganic wastes are of mineral origin. Organic wastes can be used for producing biogas.



Photo of Garbage bins overflowing near Jubail centre – 30-60% of it can be used for producing Biogas



Photograph of Landfills

According to the U.S. Environmental Agency, even a developed country like United States, most food are sent to the landfill. Indeed, 54 percent of American food waste – or nearly 34 million tons per year – are sent to landfills. As that food decomposes underground, it produces methane, a greenhouse gas with more than 20 times the potency of carbon dioxide. Methane emissions from landfills represent a significant environmental hazard, accounting for one-fifth of America's total methane production, according to the EPA.

Garbage disposals, on the other hand, send all that food waste to wastewater treatment facilities, which have installed anaerobic digesters that convert the waste into biogas. This process often offsets the energy needed to power the facility and much of the biogas can be sent back to the grid.

Garbage segregation is essential as biogas can be generated only Organic/ food wastes. It is easier to separate the wastes at source rather than at collection centers. In developed countries for this purpose, there are different colored bins, such as Green, blue color etc. Organic/ food wastes are to be put in Green colored bins. Then these wastes that are segregated at sources are directly transferred to waste treatment facilities, which convert them to biogas.

We will propose to Royal commission to implement this system in Jubail and then the same can be extended to whole of Saudi Arabia as well.

"If 30,000 households in a community switch from disposing food waste in a landfill to use of a food waste disposer, the global warming potential of disposing of food waste would be reduced 1.9 million kg of carbon dioxide equivalent. This is equivalent to the community not driving 4.6 million miles in the average American car or 100 community members going carbon neutral for a year."

The following are the 2020 targets of producing energy from Wastes, which are extracted from Sustainability Report 2012

#### WASTE-BASED ENERGY PRODUCTION

(million households)

2007	1.07
2009	1.07
2011	1.17
2020 GOAL	2

**Let's all join hands to make this happen in Jubail.**

Contributed By: Mr. V. K. Rajesh



## Employee's Corner

### Sustainability at work environment

#### People – Planet – Profit

- Sustainability usually makes us think about carbon footprints, greenhouse gases and ecosystems. This is the environmental aspect of sustainability. Two additional aspects are generally recognized as contributing to sustainability – economic and social sustainability. These are often referred to as 'people – planet – profit'.
- Social sustainability activities focus on maintaining mutually beneficial relationships with employees, customers and the community.
- Economic sustainability activities focus on business growth, efficiency, productivity and profit.
- Environmental sustainability activities focus on the potential impact of resource usage, hazardous substances, waste and emissions on the physical environment and often have a direct cost benefit for a business.
- Sustainability is a balancing act where business decisions take into account the impact they may have on the three aspects of sustainability including the economic viability of the business.

#### How is it relevant to me?

##### Many enterprises identify direct business benefits from their investment in sustainability, for example:

- A whole of business view that supports innovation and improvement ideas from all levels in the enterprise
- Skilled, knowledgeable and engaged workers who perform consistently to deliver quality products on time
- Reduced waste disposal costs and less waste to landfill by re-use, recovery and recycling of scrap and waste material
- Avoiding or reducing the number of incidents, emergencies or injuries and potential associated costs from legal proceedings, compensation, rehabilitation, clean up, environmental mitigation and public opinion
- Opportunities in 'green' markets which are estimated to reach a value of \$US2.7 trillion per year globally by 2020.

#### How do I do it?

You can apply activities that support sustainability through almost any aspect of a business. You can choose to focus on different areas of sustainability but, like any other business decision, your strategy should be based on a review of the options and how they support your business goals. Looking 'behind the scenes' at your business operations can help to identify:

- The full cost of your processes and products, business strategies and activities
- Opportunities to improve productivity and efficiency
- Opportunities to reduce the hidden costs generated from unnecessary energy use and waste
- How to manage any risks to the environment to avoid, minimize or mitigate damage
- How to position your business as 'a good corporate citizen' in the community to promote a positive profile and public support
- Strategies to improve customer satisfaction and loyalty
- A customer base that will buy on value, including the value of sustainability features, rather than just price
- How to manage your workforce capabilities and workplace culture to balance your business needs with staff engagement.

Finally, you can find benefits from sustainability activities whether you choose to focus on big ticket technology and product improvement projects or low cost efficiency drives that deliver productivity gains and a reduced carbon footprint.

Contributed By : Mr. Yaser A. Shafie



## Employee's Kid's Corner

### EFFECTIVE WAYS TO REDUCE FOOD WASTE

#### Write a list!

Menu plan your meals for a week. Check the ingredients in your fridge and cupboards, then write a shopping list for just the extras you need.

#### Stick to the list!

Take your list with you and stick to it when you're in the store. Don't be tempted by offers and don't shop when you're hungry — you'll come back with more than you need.

#### Keep a healthy fridge

Check that the seals on your fridge are good and check the fridge temperature too. Food needs to be stored between 1 and 5 degrees Celsius for maximum freshness and longevity.

#### Use up your leftovers

Instead of scraping leftovers into the bin, why not use them for tomorrow's ingredients?

#### Rotate.

When you buy new food from the store, bring all the older items in your cupboards and fridge to the front.

#### Buy what you need

Buy loose fruits and vegetables instead of pre-packed, then you can buy exactly the amount you need.

Hitanshi Panchal, Class – VIII, IIS Jubail

### Pollution Impacts:

The excessive levels of pollution are causing damaged to human and environment, such impact are:



Deafness



Ozone hole



Smog



Acid Rain

#### Sustainability Efforts:

- Reduce wastage of water and paper use
- Less use of energy
- Switch off lights when not in use
- Grow trees



Laeba Raza (4<sup>th</sup> grade, IIS-Jubail)

## Do You Know the “Facts & Figures”

- The world's population stands at 7 billion and is likely to rise to 9 billion by 2050.
- Half of humanity – 3.5 billion people – live in cities today.
- By 2030, almost 60 per cent of the world's population will live in urban areas.
- 828 million people live in slums today and the number keeps rising.
- The world's cities occupy just 2 per cent of the Earth's land, but account for 60-80 per cent of energy consumption and 75 per cent of carbon emissions.
- Rapid urbanization is exerting pressure on fresh water supplies, sewage, the living environment, and public health.
- Worldwide, about one-third of all food produced, worth around US\$1 trillion, gets lost or wasted.



Ignorance today brings, A dark tomorrow

Keep the future bright, Turn off the light.  
 TODAY'S WASTAGE IS TOMORROW'S SHORTAGE

Don't trash, our future, recycle

GO GREEN

*Will you give a hand to save the land*



**Farabi Petrochemicals Company**  
 Phone 00966 (3) 356 5000  
 Fax 00966 (3) 356 5006  
 www.farabipc.com



2012  
 Microsoft Dynamics  
**Customer Excellence**  
 Award Winner

