

Introduction to NOVA Chemicals

2015 MARS Summer Meeting



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Responsible Care[®] and Sustainability



- Responsible Care is at the foundation of our culture and our business model.
- We value the safety and well-being of our co-workers, communities, and the environment. Everything we do includes the goal of sustaining them for the future. We believe in a zero-injury workplace.
- We work to minimize risk throughout the product life cycle, including risk to health, safety, and the environment.
- We collaborate with others to improve the ability of plastics to protect products, people and the environment.



Responsible Care[®]
Our commitment to sustainability.

NOVA Chemicals Today

- Manufacture primarily Olefin & Polyethylene products
- Annual sales in 2014: \$5.2 billion (USD)
- Number of Employees: 2,600 worldwide
- Headquartered in Calgary, Alberta
- US Commercial Center in Pittsburgh, PA

Corporate Strategy

World-class Responsible Care[®] and talented people combined with:

- cost-competitive feedstock
- best in class assets utilizing proprietary technology
- focused market leadership



NOVA Chemicals Locations



Operating And Sales Centers

- Calgary, Alberta, Canada (Head Office)

- Pittsburgh, Pennsylvania, U.S.A. (Commercial Center)

- Sarnia, Ontario, Canada (Commercial Center)

- Fribourg, Switzerland ¹

- Shanghai, China ¹

Manufacturing Sites

Canada

- Joffre, Alberta Olefins/PE

- Sarnia-Lambton, Ontario
 - Corunna, Olefins
 - Moore Township PE
 - St. Clair River PE

U.S.A.

- Monaca, Pennsylvania EPS

- Painesville, Ohio EPS

- Channelview, Texas ² Styrene

Technology Centers

- Calgary, Alberta, Canada

- Monaca, Pennsylvania, U.S.A.

NOVA Chemicals Joffre, Alberta Facility



2014 North America Ethylene and PE Capacity

Company	Ethylene	Share
Dow Chemical	12,500	17%
LyondellBasell	10,500	14%
ExxonMobil	9,300	13%
Chevron Phillips	7,800	11%
NOVA Chemicals	6,600	9%
Shell Chemical	5,800	8%
Ineos	4,200	6%
Formosa	3,300	5%
Westlake	3,400	5%
Others	10,300	14%
Total	73,600	

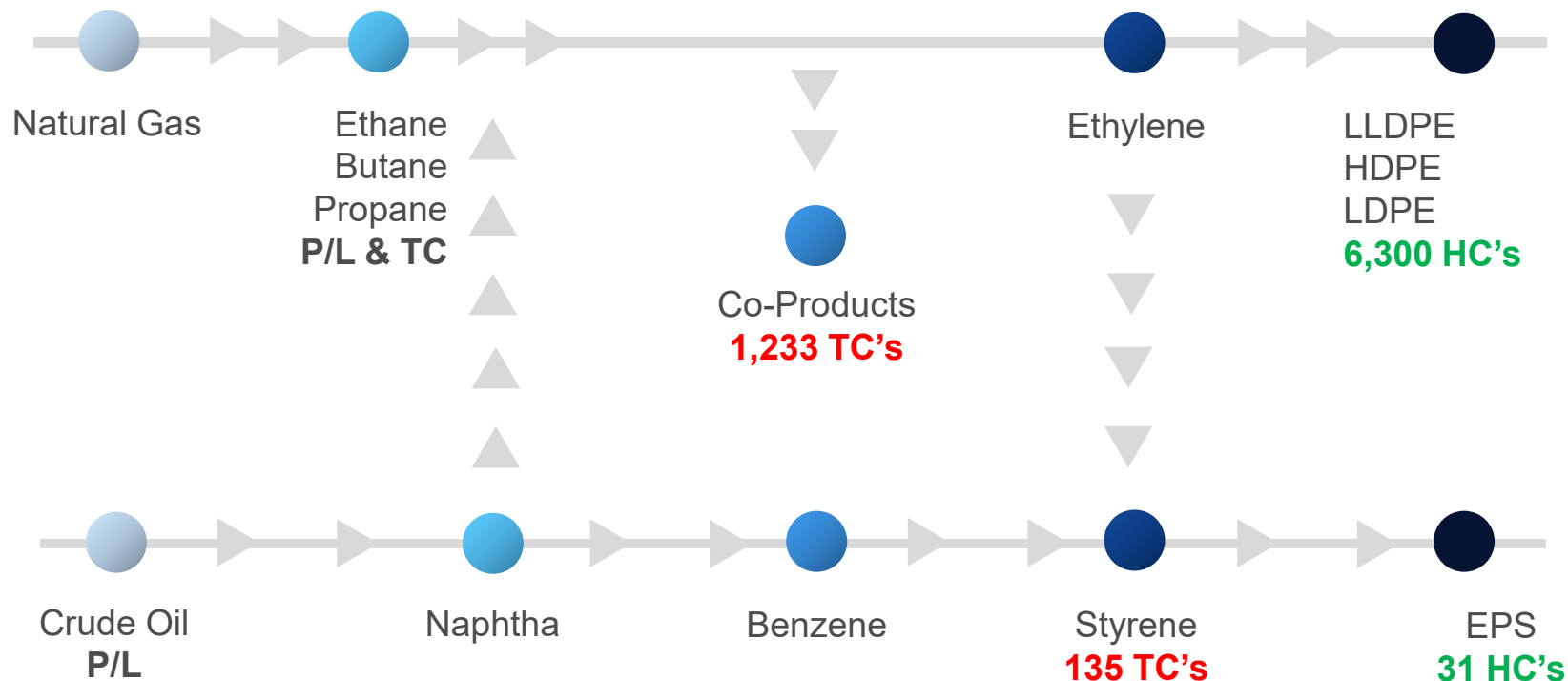
Company	LLDPE	LDPE	HDPE	Total	Share
Dow Chemical	5,640	1,360	2,640	9,640	23%
ExxonMobil	3,670	1,390	3,910	8,970	21%
LyondellBasell	1,250	1,380	3,140	5,770	14%
Chevron Phillips	650	620	3,940	5,210	12%
NOVA Chemicals	2,280	375	1,115	3,770	9%
Westlake	990	1,500	-	2,490	6%
Formosa	620	-	1,650	2,270	5%
Ineos	-	-	2,150	2,150	5%
Others	-	1,090	960	2,050	5%
Total	15,100	7,700	19,500	42,300	100%

Product Chains and Rail Fleet

Olefins/Polyolefins Business

6,300+ Covered Hopper Cars (HC) including 1200 cars being built in 2H2015

1,233 Tank Cars (TC)



NOVA's Rail Asset Management (RAM)

All Tank Cars are Full Service (F/S) leased to minimize risk

- 6,500 shipments in 2014
- Utilize large full service lessors

Hopper Cars are primarily Net Leased via financial (banks) entities

- 16,000 shipments in 2014
- A lower overall cost option vs. F/S lease for our hopper fleet
 - 5,700 Net leased
 - <600 F/S leased
 - <100 Owned by NOVA Chemicals

Staffed with 2 FT employees and 3 contract expeditors





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