

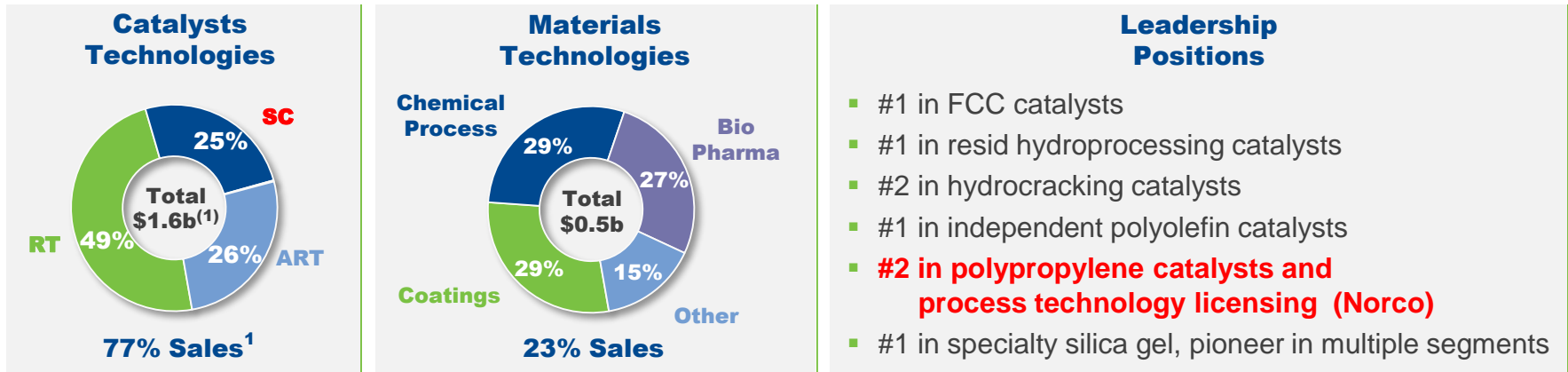
# Grace Norco Product End Uses

Wei Deng  
Shalinda Austin

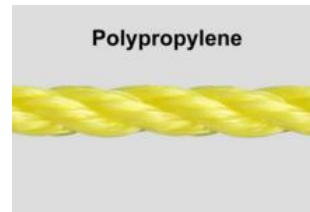
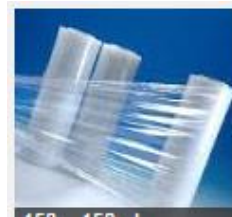
June 19, 2019



## We are a \$2 Billion Technology Leader ...



## Polypropylene Application





**SHAC building**

(SUPER HIGH ACTIVITY  
CATALYST)



**TPF**

(TITANIUM TETRACHLORIDE  
PRODUCTION FACILITY)



**Utilities**



**ADT**

(Advanced Donor Technology)

- SHAC plant was started up in 1994 as a Shell operation, purchased by Union Carbide in 1996, and purchased by Dow in 2005 before it was fully converted to a GRACE operation in December of 2013.
- Major expansion at SHAC was completed in 1999, which added the Loop 2 reactor to increase capacity. New expansion in 2019 will add extra funda filter in loop 2 and isopentane column.
- Plant capacity:
  - Catalyst: approximately ~260-280 MT/year(product dependent) with 85% availability. Expansion in 2019 will increase full capacity to ~325MT with 85% availability (before any additional productivity)
  - ADT: Moved from Edison, NJ, Approximately ~600MT/year with 85% availability

## Talent

- 49 permanent Grace employees, 25 permanent maintenance contractors
- 14 Grace employees live in St. Charles Parrish, plus 4 permanent contractors
- Currently 3 open engineer positions: Project Engineer, Reliability Engineer, Production Engineer

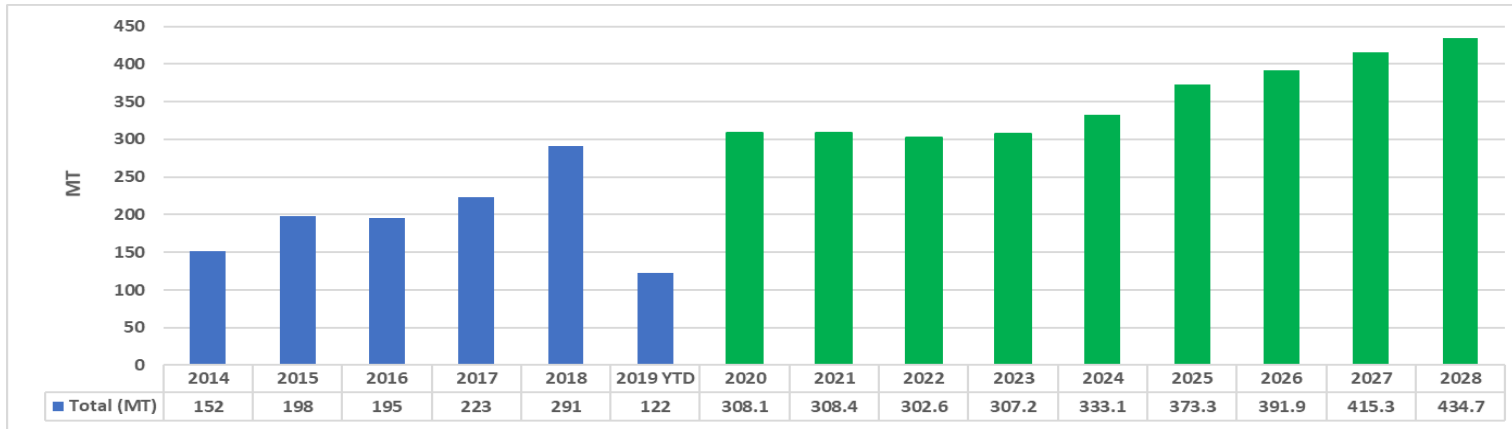
## Continuously invest capital to improve site reliability and capacity:

Capital	2014	2015	2016	2017	2018	2019 YTD
Maintenance Capital	\$ 409,260	\$ 732,486	\$ 4,312,849	\$ 3,788,838	\$ 2,745,974	\$ 383,002
Strategic Capital	\$ 34,258	\$ 873,545	\$ 3,777,960	\$ 5,864,392	\$ 10,088,082	\$ 9,297,432
<b>Total</b>	<b>\$ 443,519</b>	<b>\$ 1,606,030</b>	<b>\$ 8,090,809</b>	<b>\$ 9,653,230</b>	<b>\$ 12,834,056</b>	<b>\$ 9,680,434</b>
Headcounts (Grace)	26	29	32	39	44	49
Permanent Contractor	16	17	20	23	25	25
<b>Total Headcounts</b>	<b>42</b>	<b>46</b>	<b>52</b>	<b>62</b>	<b>69</b>	<b>74</b>

## Other Major Capital Investment highlights:

- ADT production (2018 Q4, \$2MM) from Edison, NJ to Norco, LA- 1 headcount added
- Expansion Project (2019Q1-2020, \$42MM)- 4 headcounts added
- New Admin Building(2020-2022, \$6MM) to accommodate additional headcounts to be added
- Raw Material Production from Seadrift TX to Norco (2023-2025, \$20-30 MM, potential headcounts added 4-8)
- TMA Production from Orangeburg SC to Norco, LA (2025-2030, \$30-40MM, potential headcounts added 4-8)

## Annual Production Volume and Future Demand (MT)



## Property Tax paid since acquisition

Year	Properties Tax Paid
2014	\$106,658.24
2015	\$132,732.54
2016	\$127,561.18
2017	\$128,051.28
2018	\$435,857.90
2019	~\$456,000.00

- Increase of properties tax paid almost 3-4 times in 2018-2019 vs 2014.

## Annual Payroll since acquisition

Year	Annual Payroll
2014	\$2,671,862.05
2015	\$2,915,571.20
2016	\$3,690,178.99
2017	\$4,655,466.95
2018	\$4,622,272.36
2019	~\$5,000,000.00

- Continuously adding headcounts to improve operation

# W.R. Grace Norco Team Community Involvement



# Norco Site Community and Industry Involvement

- Industry member of the St. Charles Parish Mutual Aid Association
- Industry member of the St. Charles Parish –Local Emergency Planning Committee (LEPC)
- 2018 host facility of the St. Charles Parish Community Advisory Panel (CAP)
- Job posting with La Work Force and other local organizations
- Active member of the House Hold Hazardous Waste Collection program.
- Support industry for the Norco Civic and Community center.
- Active supporter and member of the Gulf Coast Safety Council for local industries



Vendors	2014	2015	2016	2017	2018
Shell Chemical	\$34,270	\$109,898	\$185,719	\$1,417,874	\$1,757,514
Intertek Lab	\$827,290	\$1,288,467	\$1,401,575	\$1,414,406	\$1,432,394
TNT Crane & Rigging Inc	\$7,404	\$40,448	\$35,218	\$15,269	\$23,153
Cembell Industries	\$76,080	\$15,912	\$4,863	\$80,276	\$10,534
Quality Janitorial	\$7,521	\$8,734	\$14,714	\$20,990	\$16,029
Apache	0	0	0	0	\$179,137
River Parishes Oil Co LLC	\$2,397	\$5,251	\$5,343	\$8,847	\$5,106
Turner Industries Group, LLC	\$1,440,237	\$1,628,448	\$998,611	\$2,082,354	\$2,099,166

# W.R. Grace Norco Supports: New Sarpy Elementary





# W.R. Grace Norco Supports: St. Charles Parish School District



# W.R. Grace Norco Supports:

## River Region Business Leaders



“People don’t care how much you know until they know how much you care”.

Theodore Roosevelt