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# Refinery Maintenance Report

February 8, 2017

\* updated

## PADD1 / East Coast

**PBF Energy** – The company on Jan. 4 confirmed a turnaround at the 190,200-b/d Delaware City, Del., refinery to begin in the first quarter. Units involved in the 45-55 days of work (seen stretching into Q2) are an alkylation unit and the 82,000-b/d FCC. While PBF didn't provide start or end dates, published reports have recently indicated a start date of March 1.

**Phillips 66** – The company plans to upgrade the FCC at its 251,000-b/d Bayway refinery in Linden, N.J., in stages, completing the work in 2018. The project for the 145,000-b/d FCC includes replacing the reactor with modern technology that will increase yields of gasoline and diesel by about 4,000 b/d.

## PADD2 / Midwest

**HollyFrontier** – Unplanned reformer issues at the company's 165,500-b/d Tulsa, Okla., refinery in December cut crude processing rates and HFC expects to advance planned work on the 75,500-b/d East crude unit and other units originally scheduled for later in 2017, it said on Dec. 30. That work is also to include upgrade of catalyst in the 23,000-b/d reformer. HFC didn't provide dates for the turnaround.

**Husky** – The Canadian company's 170,000-b/d refinery in Lima, Ohio, is slated to undergo a five-week maintenance turnaround in Q4 2017, Husky said on Dec. 13. In Q4 2016, the plant's crude flexibility project increased heavy crude processing capacity by some 2,000 b/d to 10,000 b/d. When the project is completed in 2018, heavy crude capacity is expected to have risen to 40,000 b/d. In Spring 2016 the Lima refinery saw an eight-week turnaround, returning to full operations in April.

## PADD3 / Gulf Coast

**Alon** – The company's plans to add a 13,000-b/d, C-4 butane fed alkylation unit at its 83,000-b/d Krotz Springs, La., refinery have slowed down in order to ease capital expenditure, Alon said in July. No revised start-up date was available at that time. The previous target to install a used, current-technology unit had been end-2017. The unit is expected to produce some 6,000 b/d of high-octane gasoline component that will allow Alon to make different grades of gasoline.

**CITGO** – An FCC at the company's 440,000-b/d Lake Charles, La., refinery is due to be taken down for turnaround in mid-January, trade sources told OPIS on Jan. 12. Duration of the maintenance was unclear as of presstime but wire service reports of the work cited by Tudor, Pickering & Holt have suggested a four-week period. Those reports had also shown the turnaround beginning in late February. Total fresh FCC capacity at CITGO Lake Charles is listed at 148,000 b/d in the EIA's latest Refinery Capacity Report.

**Deer Park** – As of Jan. 10, a coker unit and gasoil hydrotreater at the 340,000-b/d Shell-Pemex joint venture Deer Park refinery in Houston were shut on an unplanned basis, trading sources told OPIS. A brief fire in the coker was the cause of the shutdowns. Repairs to the coker, also said to have experienced a leak, were expected to be completed by Jan. 13-14. The refinery's delayed coking capacity is 90,000 b/d. Heavy gasoil hydrotreating capacity at Deer Park is listed by the EIA as 80,000 b/d. On Jan. 6, Deer Park experienced an upset of a process unit which Shell declined to identify.

**ExxonMobil** – A planned turnaround on one FCC unit at the company's 523,200-b/d refinery in Baton Rouge, La., was underway in early January, according to market

All refinery and processing unit capacity figures are given in barrels per stream day (as of Jan. 1, 2016) per the EIA Refinery Capacity Report from June 2016. Material is from the best possible sources, but because of the reticence of many companies to confirm unit outages, it cannot be guaranteed.