

## Detroit, Michigan

Crude capacity: 106,000 bpd

Marathon Petroleum's Detroit refinery was acquired with the purchase of Aurora Gasoline Company by Marathon Oil Company (then The Ohio Oil Company) in 1959. It is the only petroleum refinery operating in Michigan.

The RC14001 certified refinery processes a wide range of crude oils from light sweets to heavy sour, a significant portion of which are Canadian crudes. Operations include crude distillation, catalytic cracking, hydrotreating, reforming, alkylation and sulfur recovery. The product mix is composed of gasoline, distillate, asphalt, slurry, propane, chemical grade propylene and sulfur. The refinery produces low sulfur gasoline and ULSD.

The refinery is certified as a Michigan VPP STAR site. In June 2008, the company began construction on a heavy oil upgrade project at the refinery. The projected \$2.2 billion

investment (excluding capitalized interest) will increase its heavy oil processing capacity by approximately 80,000 bpd and its crude refining capacity by approximately 15,000 bpd. The project will add more than 400,000 gallons per day of clean transportation fuels to the marketplace. The project is scheduled for completion in the second half of 2012.

### Refinery Unit & Production Capacity<sup>(1)</sup>

<i>BPD Unless Noted</i>	
Crude	106,000
Vacuum Distillation	52,300
Coking	—
Catalytic Cracking	30,900
Catalytic Reforming	20,400
Catalytic Hydrocracking	—
Catalytic Hydrotreating	97,500
Alkylation	4,800
Polymerization / Dimerization	—
Aromatics	—
Isomerization	—
Cumene	—
Coke (Short Tons per Day) <sup>(2)</sup>	—
Sulfur (Long Tons per Day) <sup>(3)</sup>	124
Asphalt	21,600
PADD	II

(1) As of January 1, 2011

(2) Short Ton = 2,000 lbs.

(3) Long Ton = 2,240 lbs.

