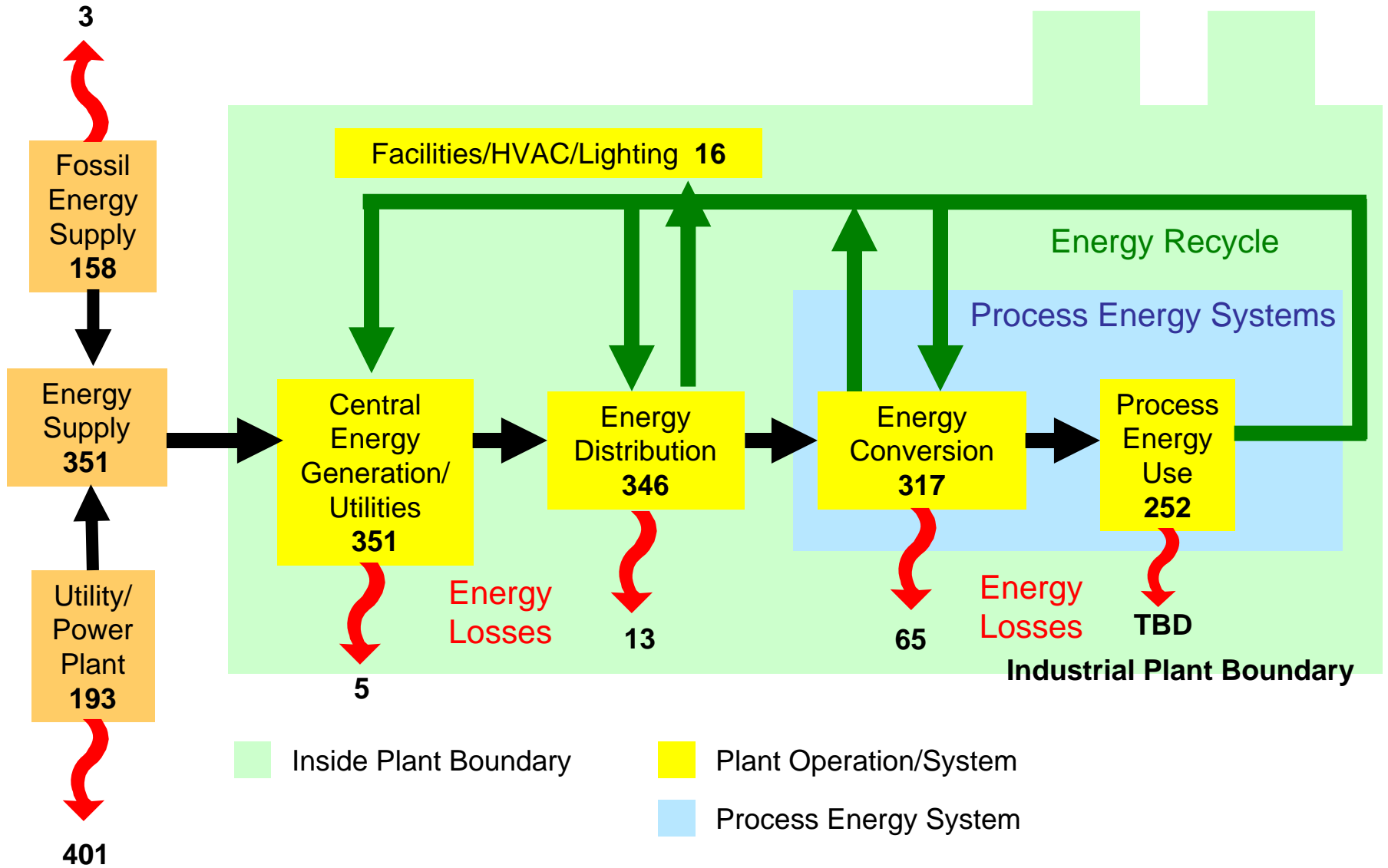
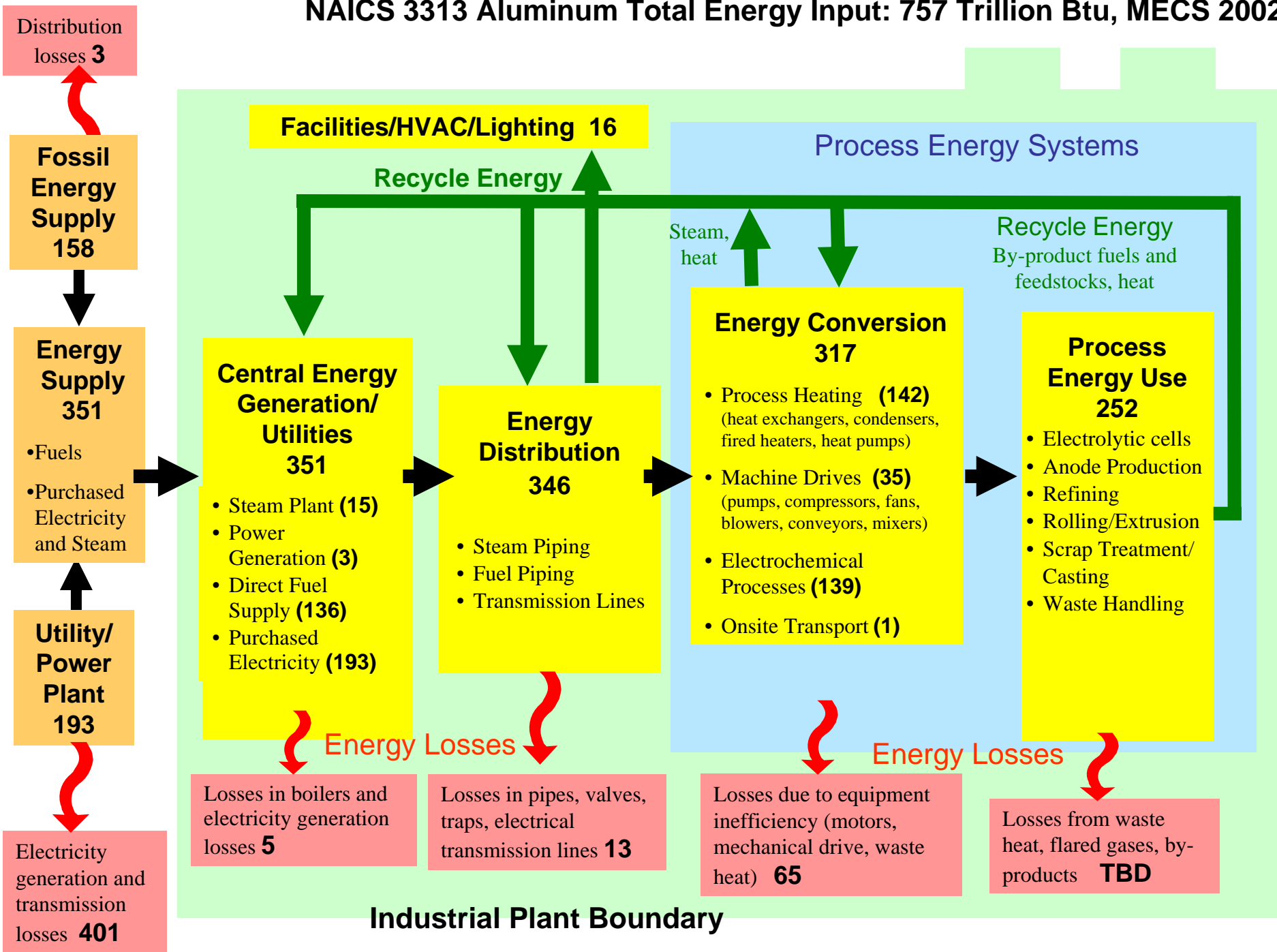


NAICS 3313 Aluminum Total Energy Input: 757 Trillion Btu, MECS 2002



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Central Energy Plant

Energy Distribution

Energy Conversion

Process Energy

351

346

317

252

Distribution Losses 13

Equipment Losses 43

Losses 3

Facilities 16

Onsite Transport 1

Fired Heaters 131
(17 Electric)

Fuel 135

8

Steam 12

Central Boilers 12

Steam 15

Combined Heat/Power 3

Electrochemical 139

Purchased Fuels 158

Purchased Electricity 193

Electricity 3

Electricity to Facilities 8

Electricity to Processes 187

Fuel

Electricity

Motor-Driven 35
(26 Electric, 8 Fuel)

Pumps 9

Fans 4

Compressed Air 10

Refrigeration 3

Materials Handling 0

Materials Processing 8

Other Systems 0

Process Use

Boiler Losses 4
Power Losses 1

Motor Losses 2
System Losses 21

Losses 401

Industrial Plant Boundary

