

Preliminary Analysis of the Economic Impacts of the PES Refining Complex

Refinery Advisory Group's Business Committee
September 9th, 2019

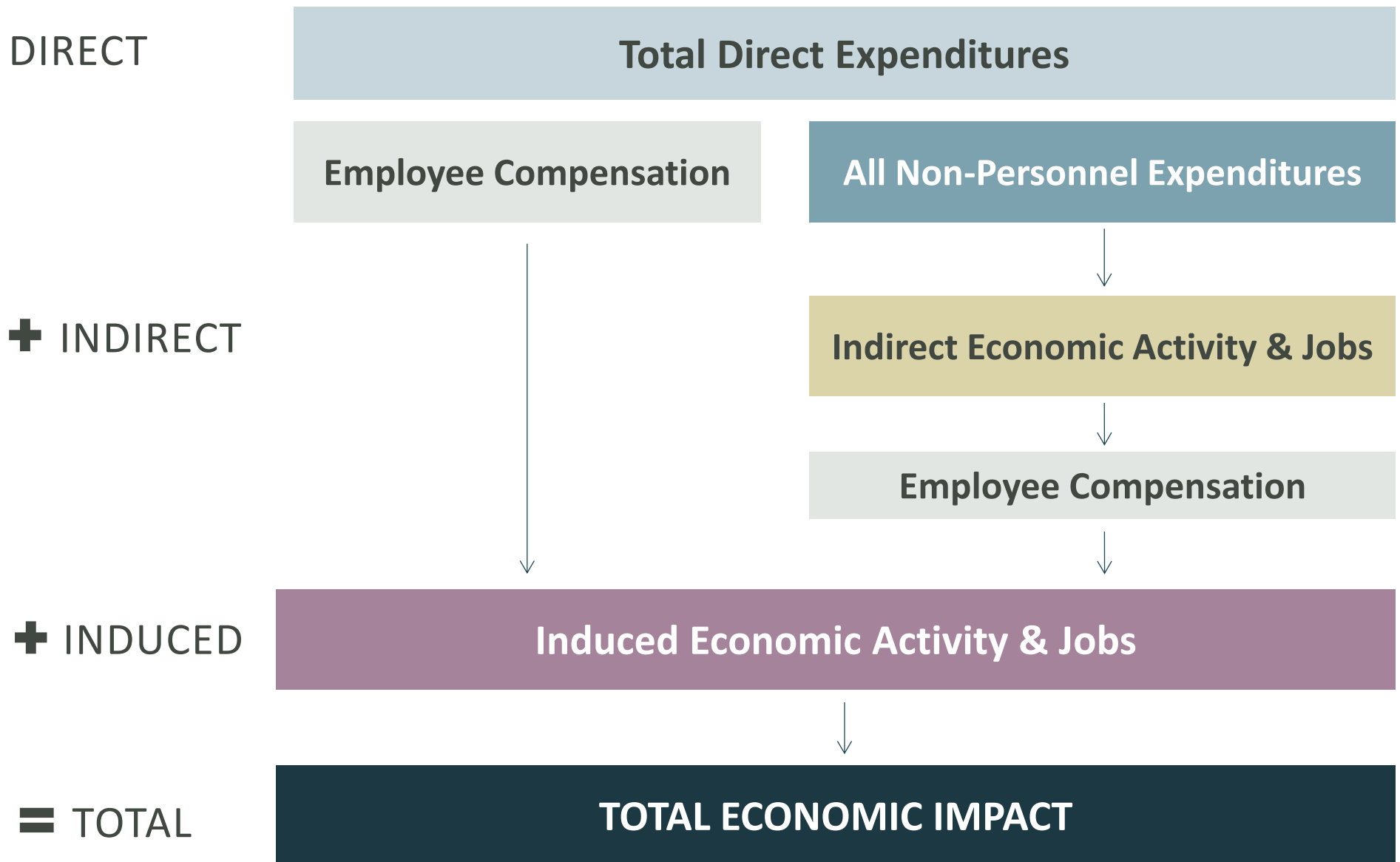
The PES Refining Complex

- Oldest, largest refinery on the East Coast
- 1,400-acre facility comprised of:
 - Girard Point Refinery
 - Point Breeze Refinery
 - Schuylkill River Tank Farm
 - North Yard Rail & Storage

Steady State Operations

- Estimated economic impact associated with an illustrative year of operations at the Refining Complex at its pre-fire, pre-bankruptcy steady state

Steady State Operations



Estimated Annual Operating Expenditures

Based on currently available data:

Model Inputs (Direct)

- Annual Average Full-Time Employees: **1,950**
- Total Annual Employee Compensation: **\$237 M**
- Total Annual Expenditures: **\$1.1 B**

Estimated Annual Economic Impact

City of Philadelphia

- Total Economic Impact: **\$2.1 billion**
- Jobs Supported (FTE): **6,300**
- Total Employee Compensation: **\$600 million**

Estimated Annual Economic Impact

Philadelphia MSA

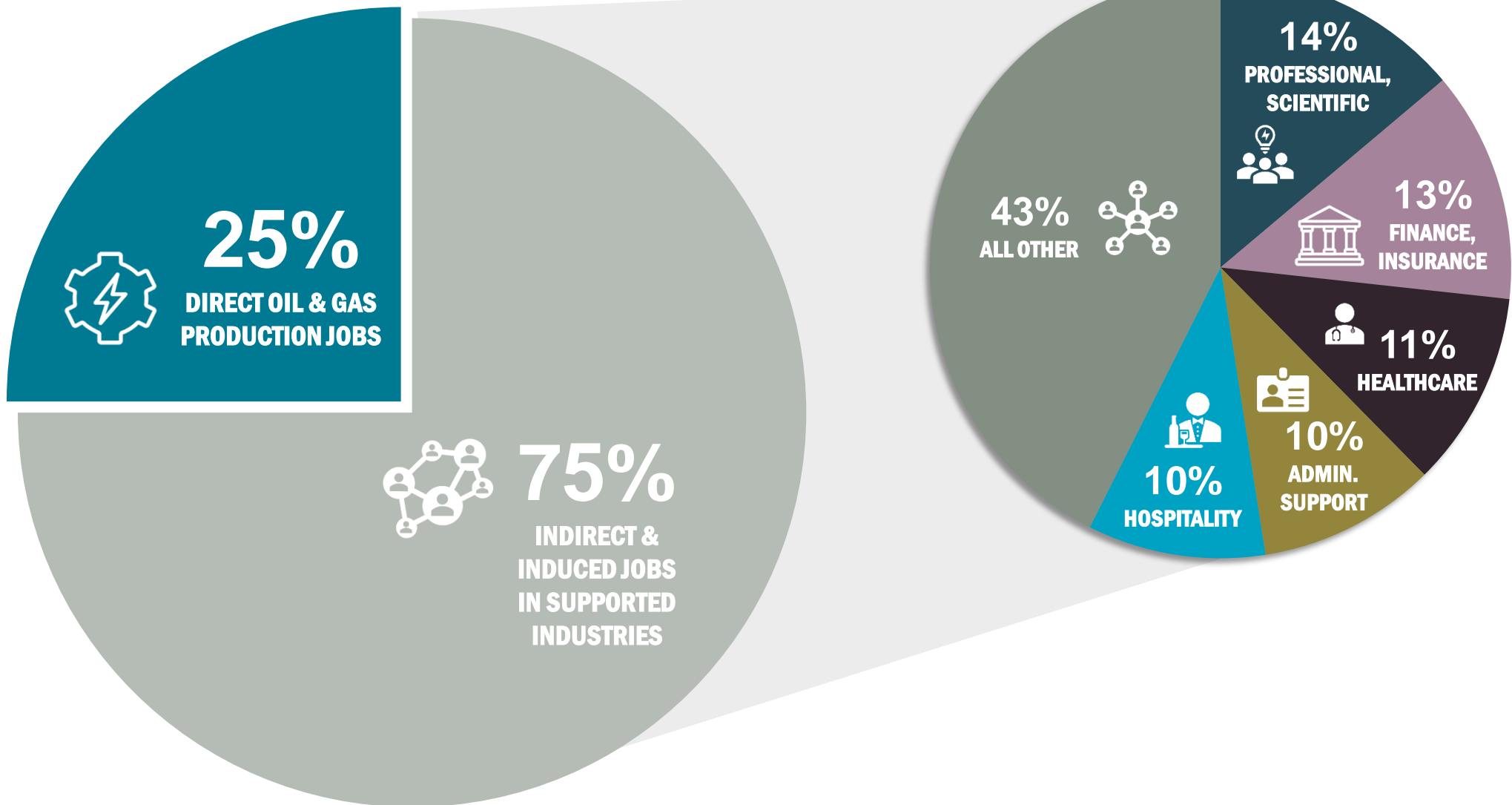
- Total Economic Impact: **\$2.3 billion**
- Jobs Supported (FTE): **7,600**
- Total Employee Compensation: **\$650 million**

Estimated Annual Economic Impact

Commonwealth of Pennsylvania

- Total Economic Impact: **\$2.3 billion**
- Jobs Supported (FTE): **7,650**
- Total Employee Compensation: **\$640 million**

Estimated Employment Impact



Tax Impact Methodology

- Not based on actual direct tax data
- Not based on IMPLAN estimates
- Customized tax model based on Philadelphia and Pennsylvania effective rates

Estimated Annual Tax Impact

City of Philadelphia

Total Estimated Tax Impact*: **\$33.2 million**

* Includes Income, Business, Sales & Use, Property, and Use & Occupancy Taxes

Estimated Annual Tax Impact

Commonwealth of Pennsylvania

Total Estimated Tax Impact*: **\$30 million**

* Includes Income, Business, Sales & Use, Property, and Use & Occupancy Taxes