

HEAVY INDUSTRIAL CONSTRUCTION WORKFORCE OUTLOOK TO 2020

DR. DOUGLAS AKHIMIENMHONAN

MAY 2014



BASIS OF WORKFORCE PROJECTIONS

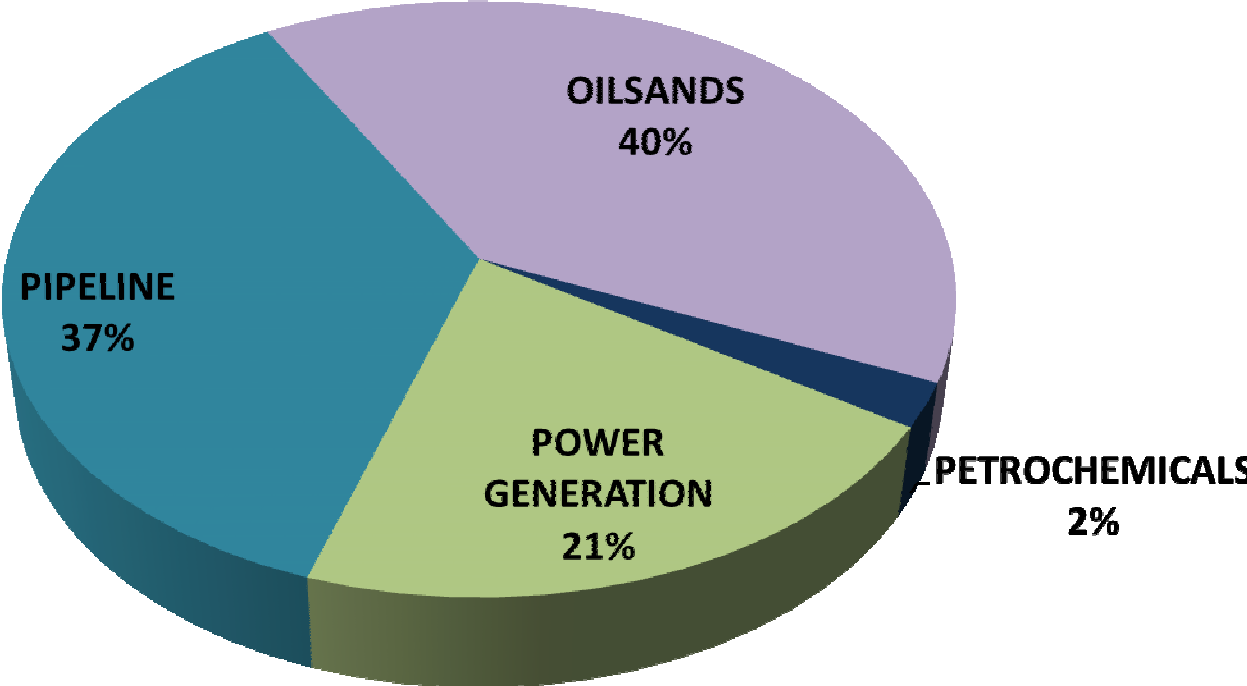
- Planned construction projects that have been announced / revealed to Alberta Jobs Skills Training and Labour
- Observed trends in ongoing sustaining capital maintenance and turnaround maintenance



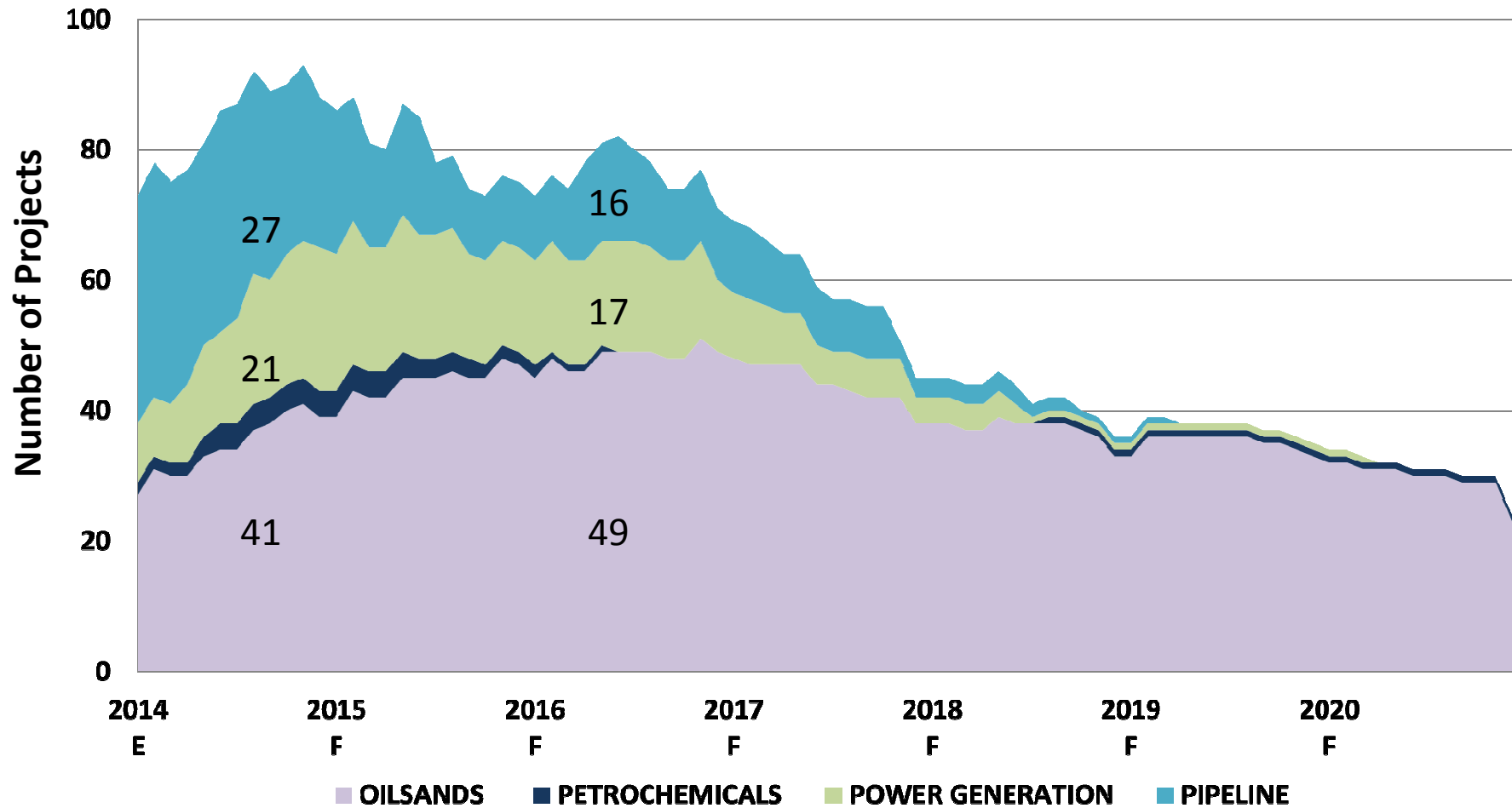
ACKNOWLEDGMENTS

- ACTIMS
- Rose Committee
- COAA
- GPMC
- NMC
- Private Companies
 - Oil sands, Petrochemicals, Power, Pipeline, Construction Contractors, Fabrication Companies

HEAVY INDUSTRIAL CONSTRUCTION OUTLOOK TO 2020 — NUMBERS OF PLANNED NEW CONSTRUCTION

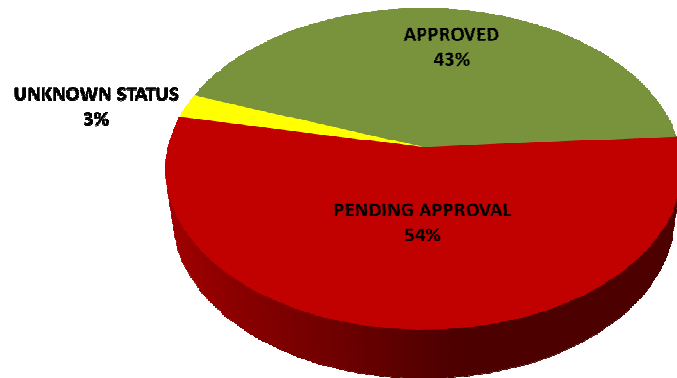


HEAVY INDUSTRIAL CONSTRUCTION OUTLOOK TO 2020 – TIMING OF PLANNED NEW CONSTRUCTION

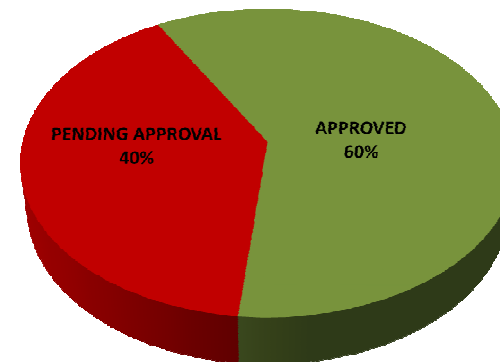


HEAVY INDUSTRIAL CONSTRUCTION OUTLOOK TO 2020 – REGULATORY STATUS OF PLANNED NEW CONSTRUCTION

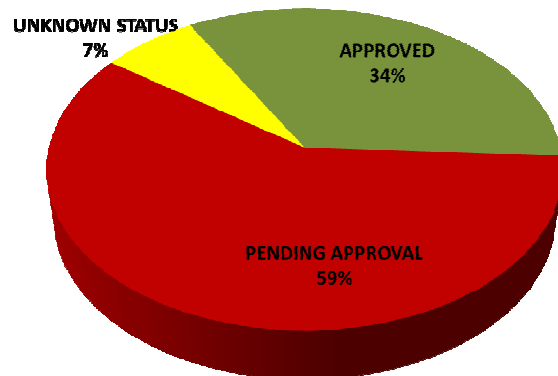
OILSANDS



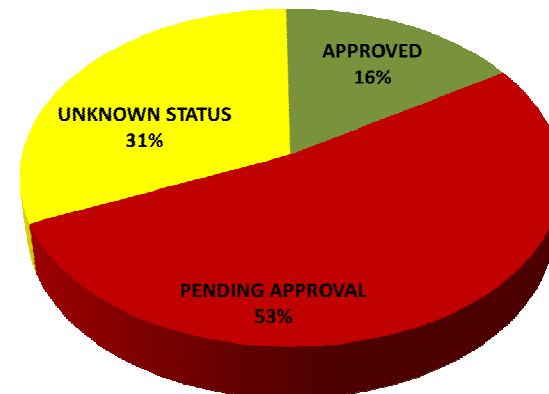
PETROCHEMICALS



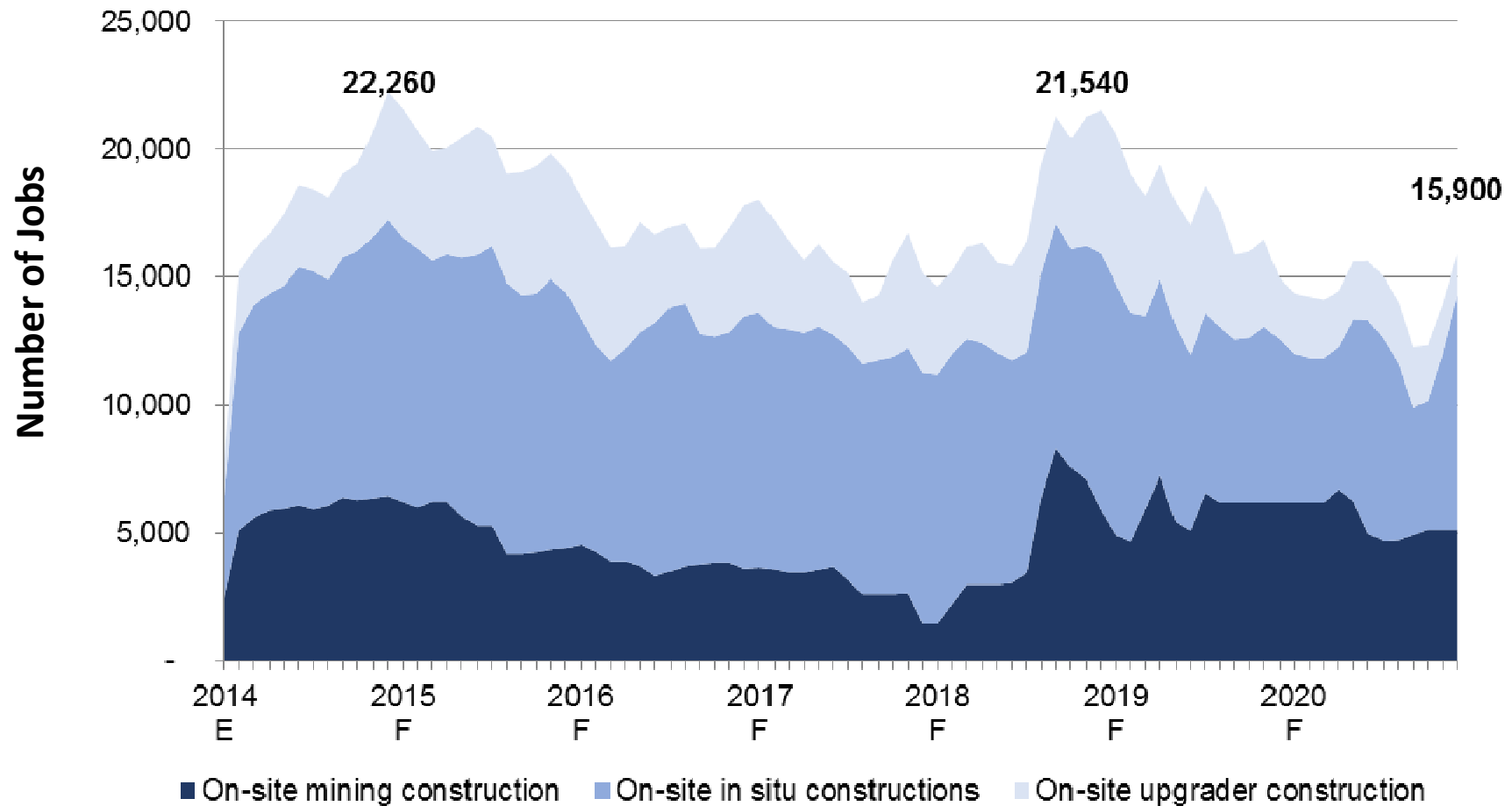
POWER



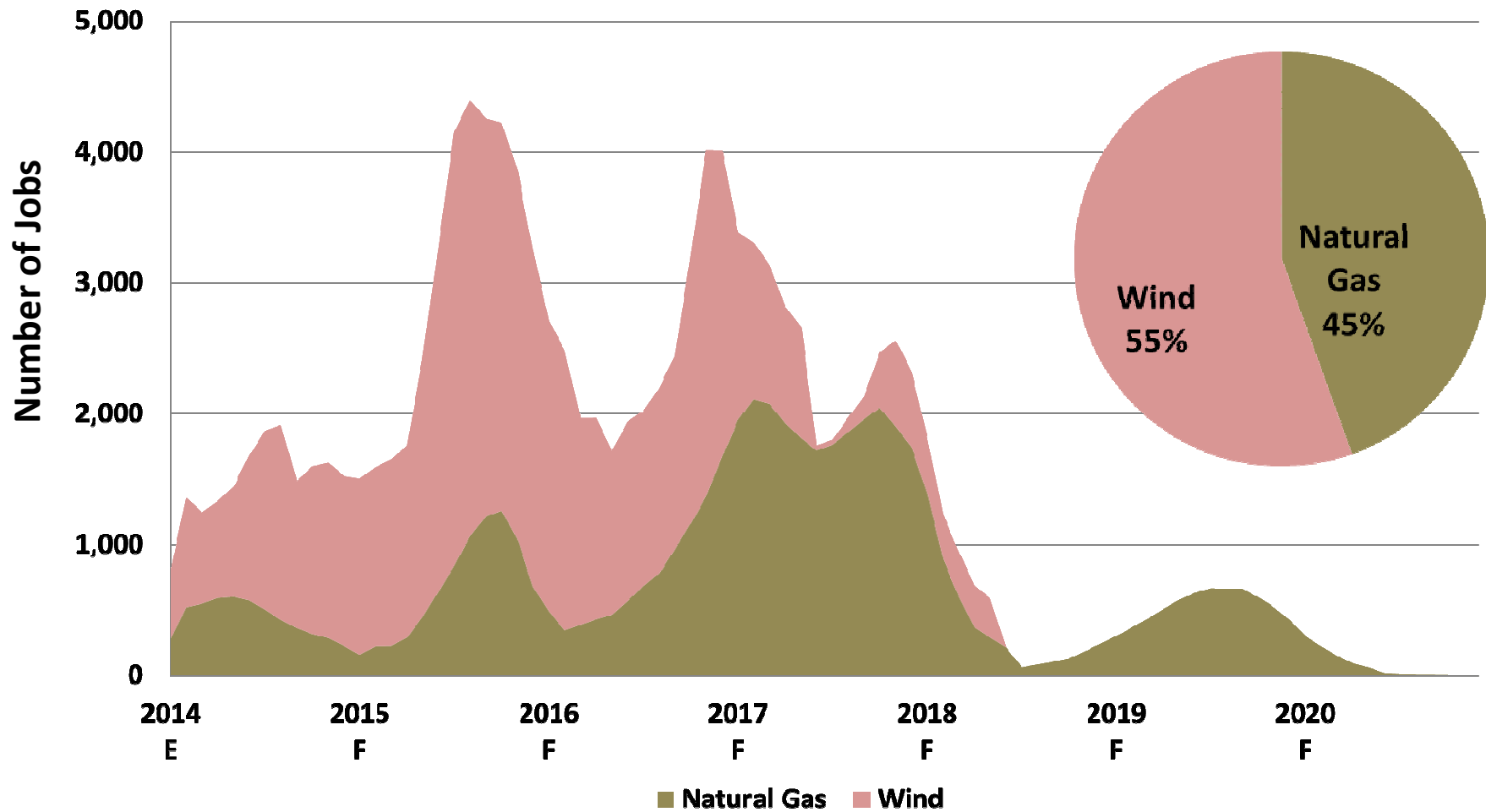
PIPELINE



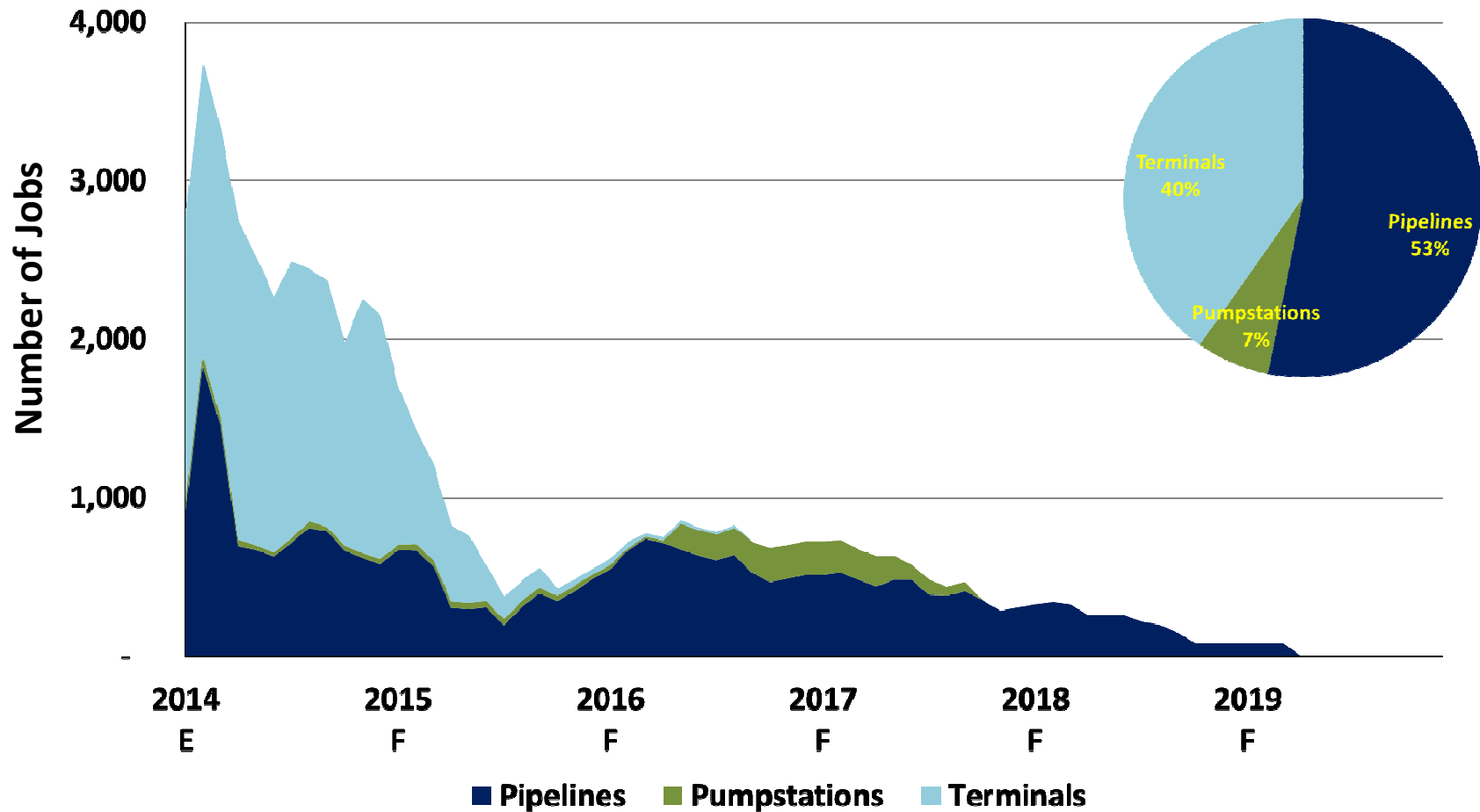
ON-SITE WORKFORCE NUMBERS FOR PLANNED NEW CONSTRUCTION — OIL SANDS



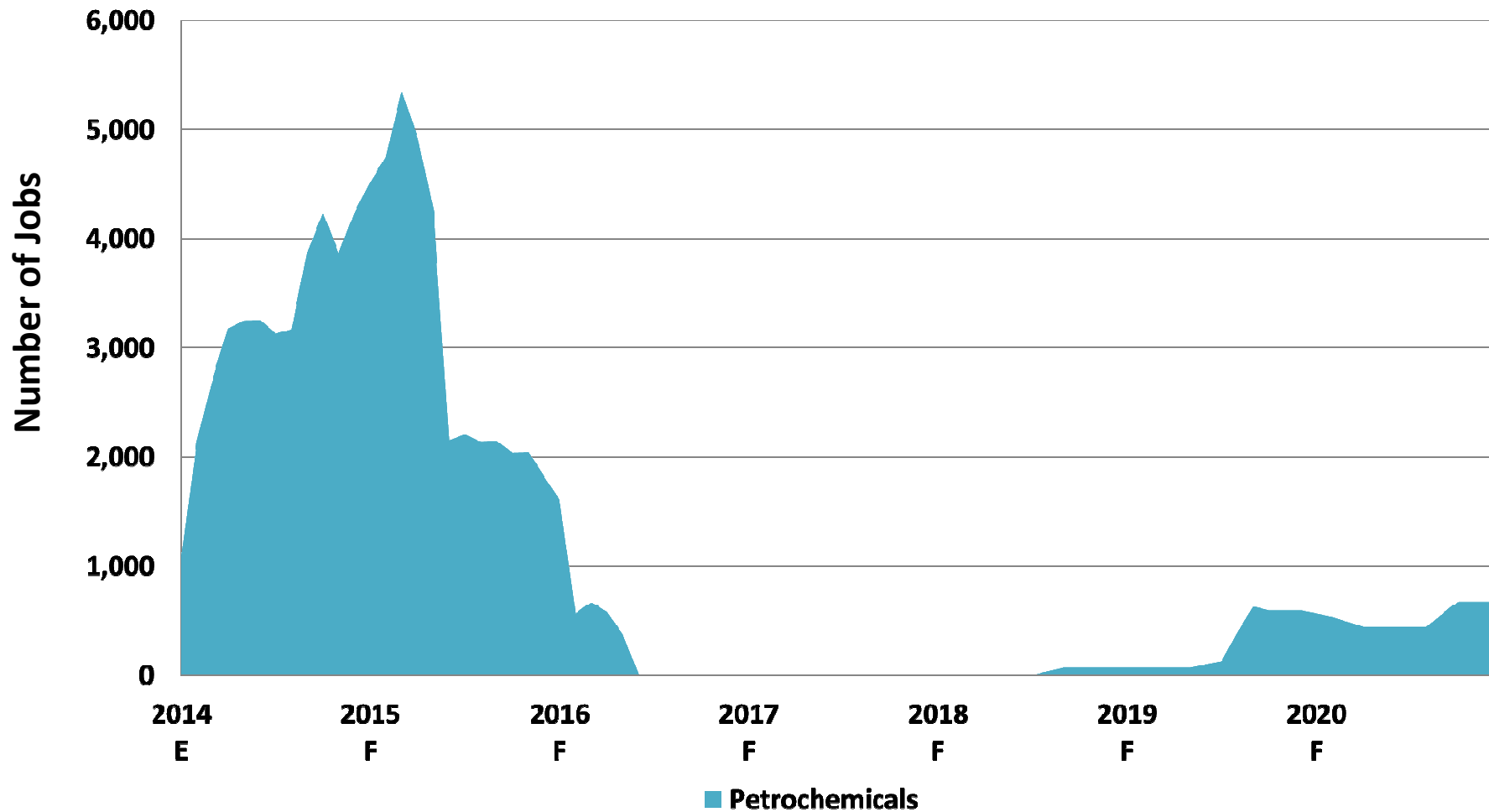
ON-SITE WORKFORCE NUMBERS FOR PLANNED NEW CONSTRUCTION — POWER GENERATION



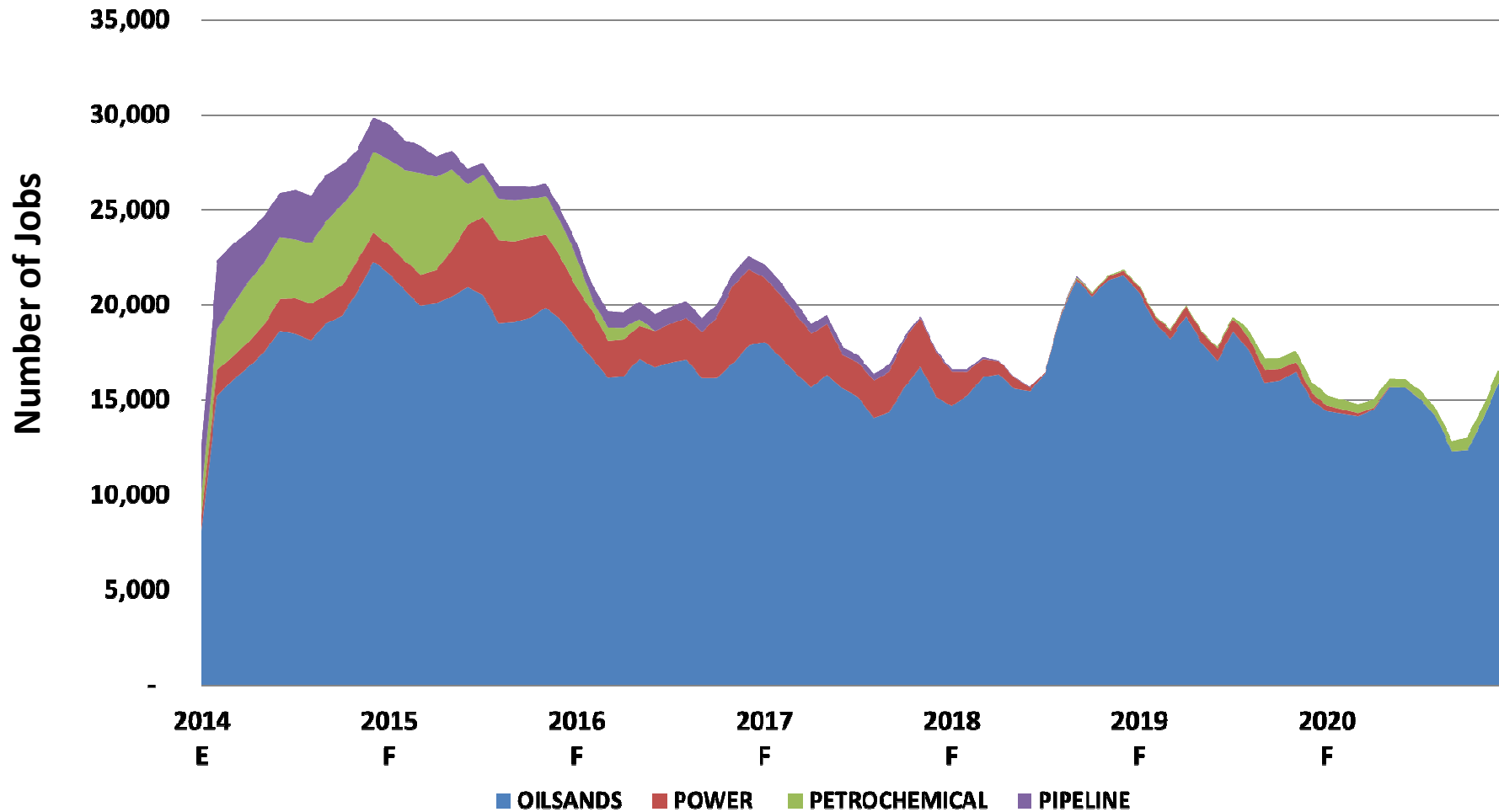
ON-SITE WORKFORCE NUMBERS FOR PLANNED NEW CONSTRUCTION — PIPELINE



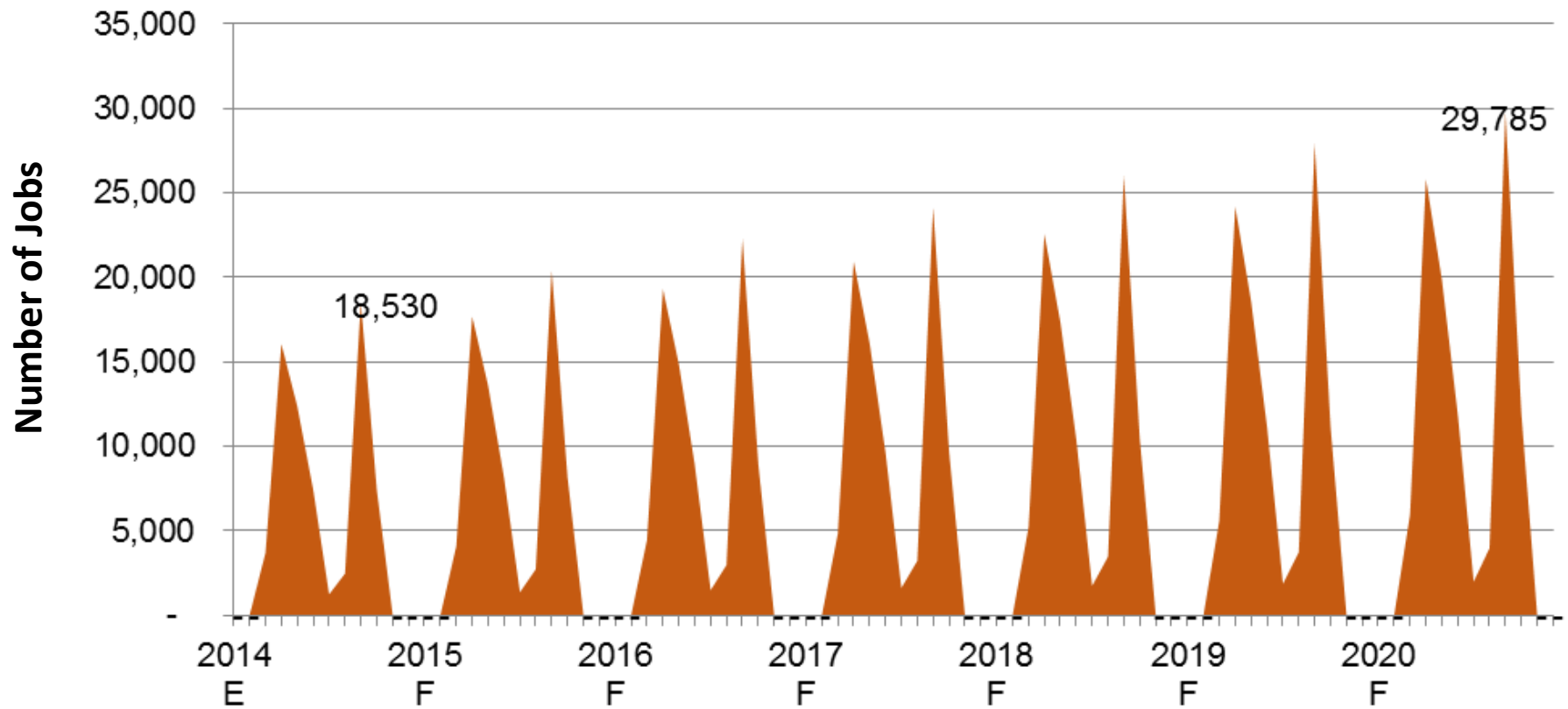
ON-SITE WORKFORCE NUMBERS FOR PLANNED NEW CONSTRUCTION — PETROCHEMICALS



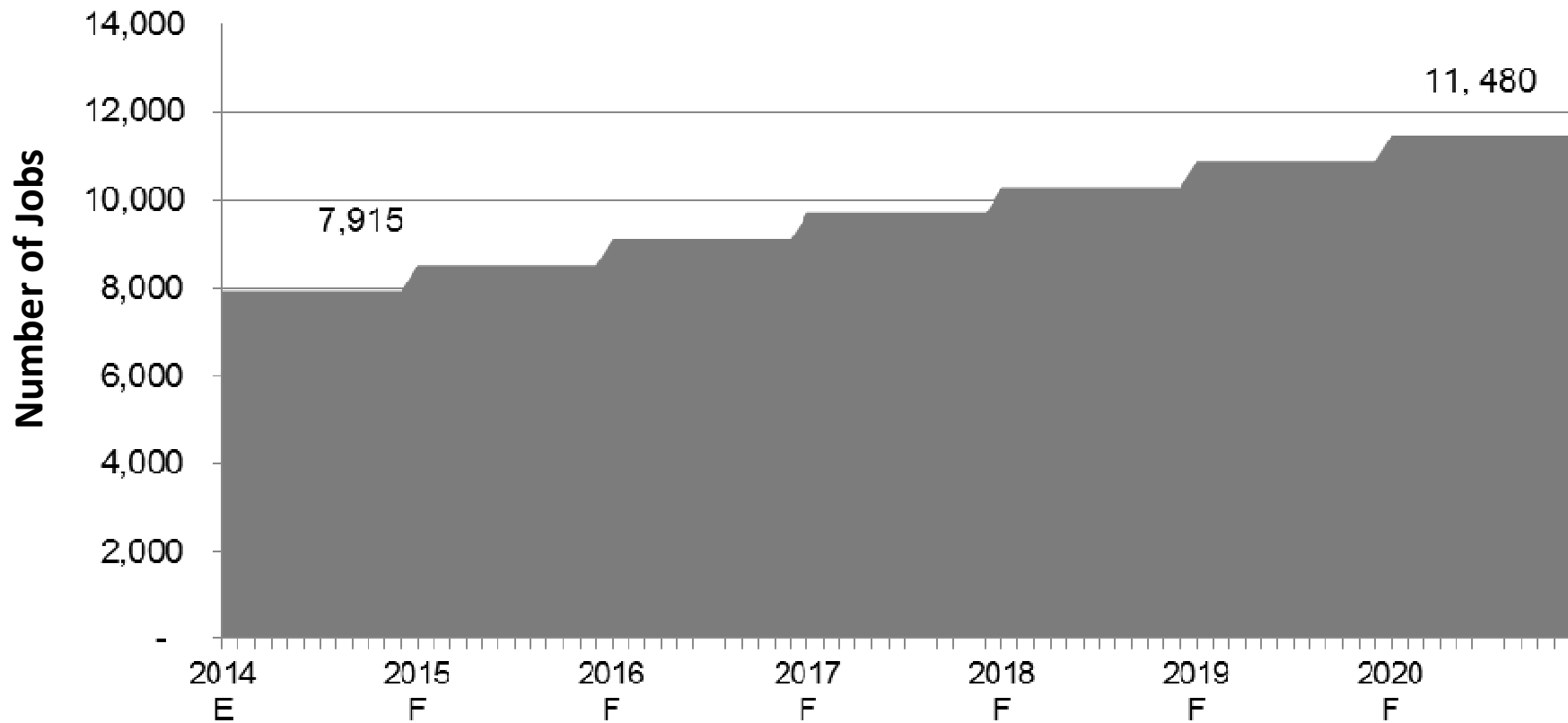
ON-SITE NEW CONSTRUCTION EMPLOYMENT TO 2020 (OIL SANDS, POWER, PIPELINE & PETROCHEMICALS)



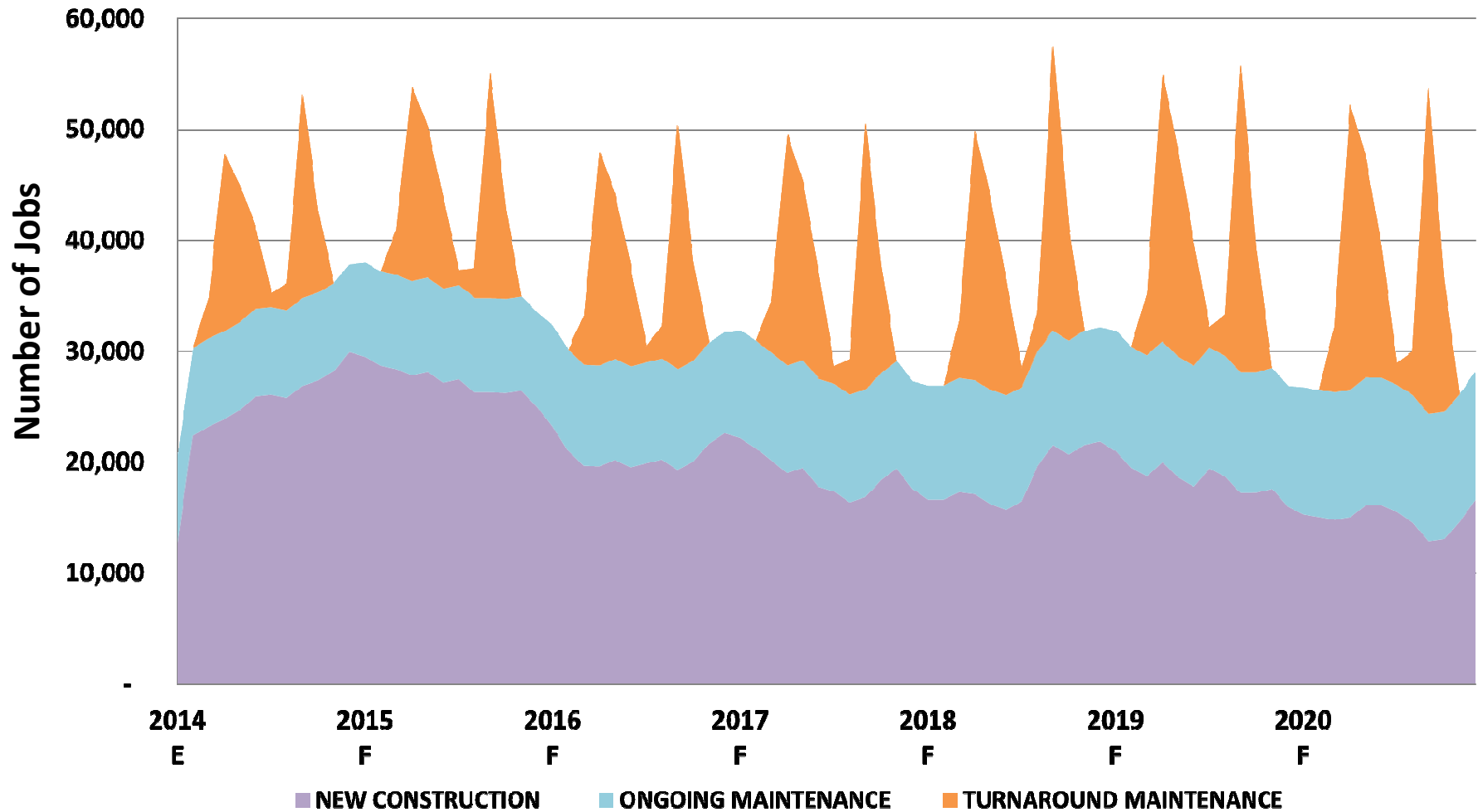
ON-SITE TURNAROUND MAINTENANCE EMPLOYMENT TO 2020



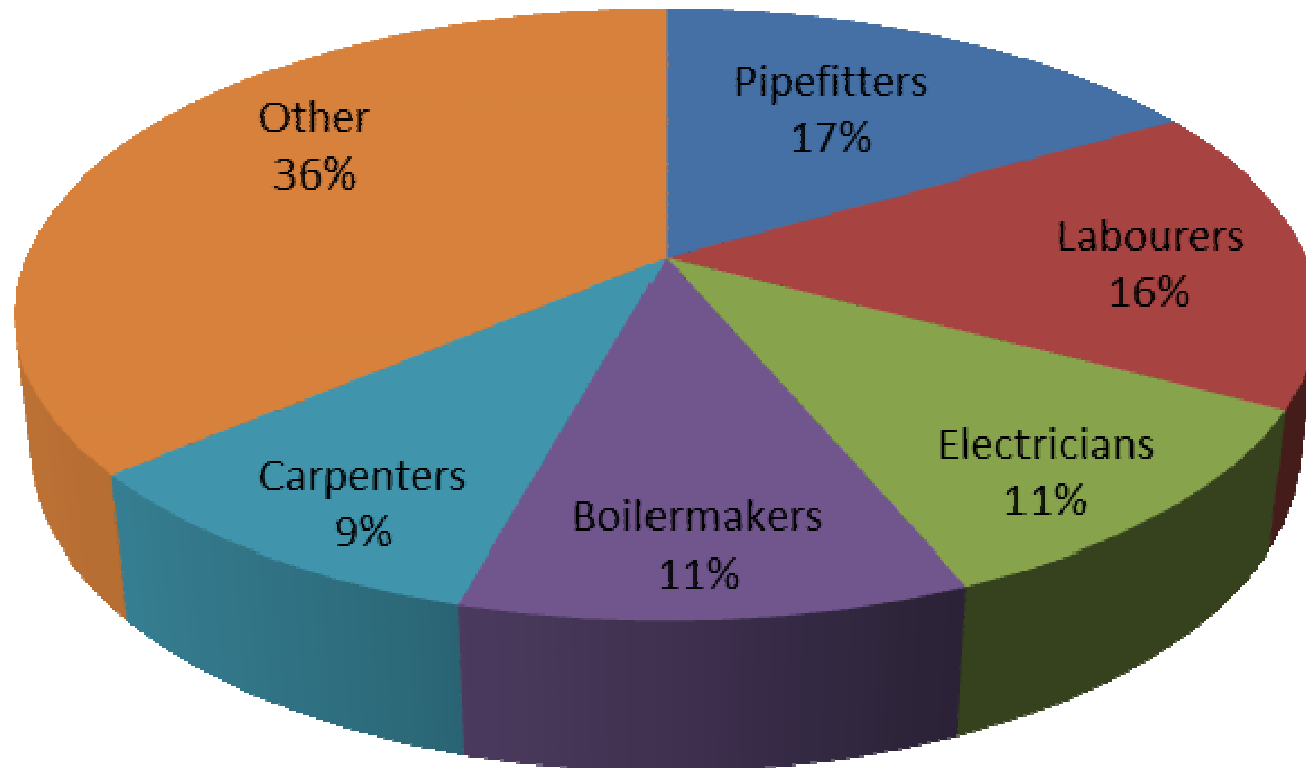
ON-SITE ONGOING MAINTENANCE EMPLOYMENT TO 2020



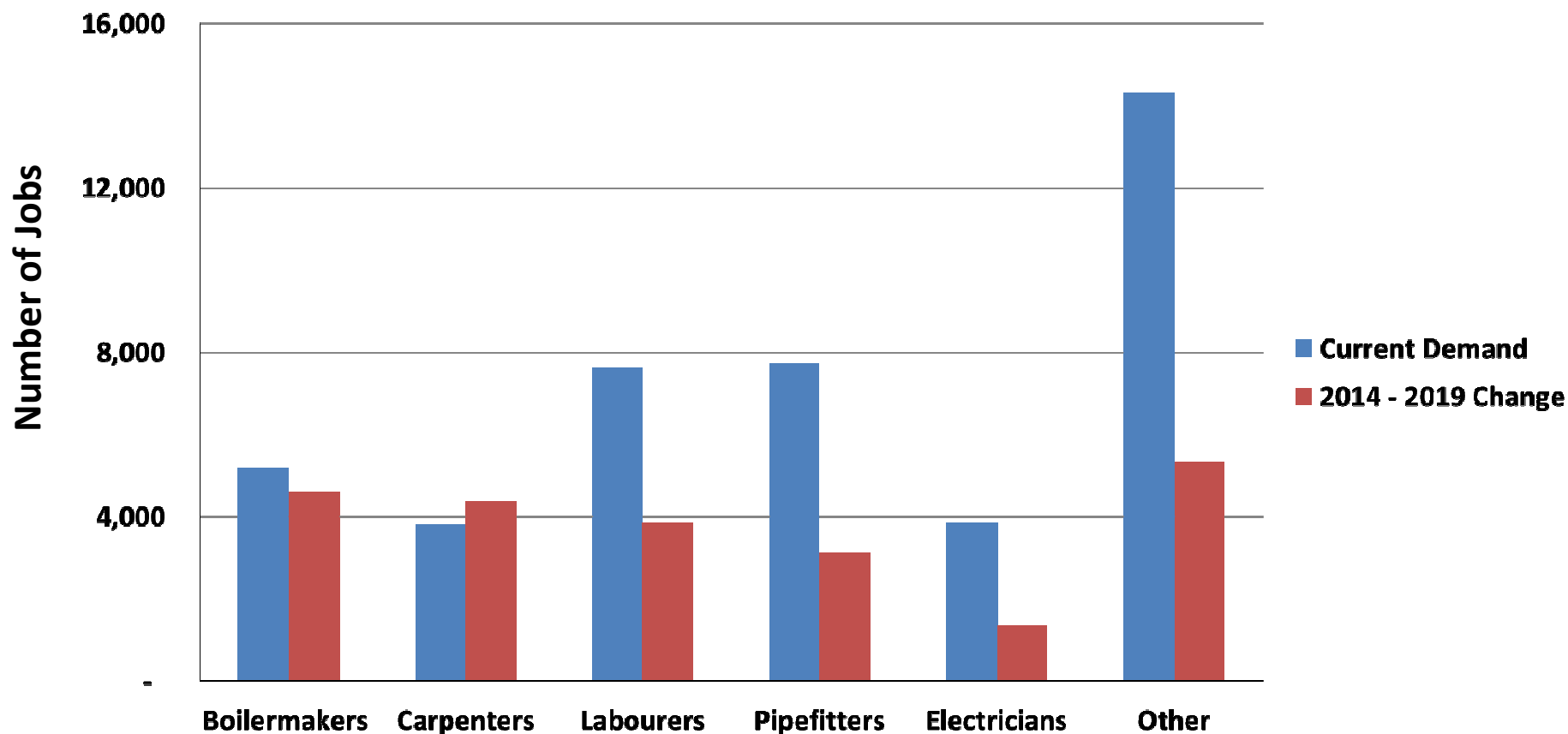
ON-SITE CONSTRUCTION WORKFORCE REQUIREMENTS BY CONSTRUCTION TYPE



TRADES WITH HIGHEST PROJECTED OVERALL DEMAND 2014 - 2020



TRADES WITH HIGHEST PROJECTED CHANGES IN DEMAND



QUESTIONS?

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 **Jobs, Skills, Training
and Labour**