

# TSSA FUELS SAFETY QUICK FACTS



## FUEL SUMMARY

TSSA's Fuels Safety Program regulates the transportation, storage, handling and use of fuels in Ontario including natural gas, propane, fuel oil, gasoline, diesel, hydrogen, landfill gas, digester gas and butane. We carry out inspections and license pipelines, gas stations, propane filling stations, marinas and tanker trucks. We issue licences to operate fuel facilities and pipelines, register contractors and certify tradespersons who install and service fuel-burning equipment. We offer a number of training and certification services related to fuels safety in Ontario including the accreditation of colleges/trade schools that administer courses pursuant to the *Technical Standards & Safety Act, 2000*. We review and approve facility plans for TSSA licensed sites and perform custom equipment approvals and inspections to ensure fuel is handled and used safely. We investigate incidents and reports of non-compliance and provide technical expertise to industry stakeholders, safety partners and consumers. We work with industry partners to mitigate issues and improve compliance outcomes to keep Ontarians safe.

TSSA Fuels Safety program is Ontario's public safety regulator for the **Transportation, Storage, Handling, and Utilization** of the following Fuels In Ontario.



### NATURAL GAS

Compressed Natural Gas (CNG),  
Liquefied Natural Gas (LNG)



### PROPANE



### FUEL OIL



### GASOLINE



### DIESEL



### HYDROGEN



### LANDFILL GAS



### DIGESTER GAS



### BUTANE

## LEGISLATION

TECHNICAL STANDARDS & SAFETY ACT, S.O. 2000

### Ontario Regulation 210/01

Oil & Gas Pipeline Systems

### Ontario Regulation 211/01

Propane Storage and Handling

### Ontario Regulation 197/14

Liability Insurance Requirements  
for Propane Operators

### Ontario Regulation 212/01

Gaseous Fuels

### Ontario Regulation 213/01

Fuel Oil

### Ontario Regulation 214/01

Compressed Gas

### Ontario Regulation 215/01

Fuels Industry Certificates

### Ontario Regulation 216/01

Certification of Petroleum  
Mechanics

### Ontario Regulation 217/01

Liquid Fuels

## CORE SERVICES



### INSPECTIONS

Initials, periodics, follow-ups,  
ad-hoc, special approvals, incident  
investigations, technical expertise,  
audits



### ENGINEERING

Design reviews, variances,  
equipment field approvals,  
environmental assessments,  
safety management consultations



### LICENSING/CERTIFICATION/REGISTRATION

Fuel certificate holders,  
contractors, training providers



### COMPLIANCE SUPPORT/EDUCATION

Safety presentations, public  
education/awareness



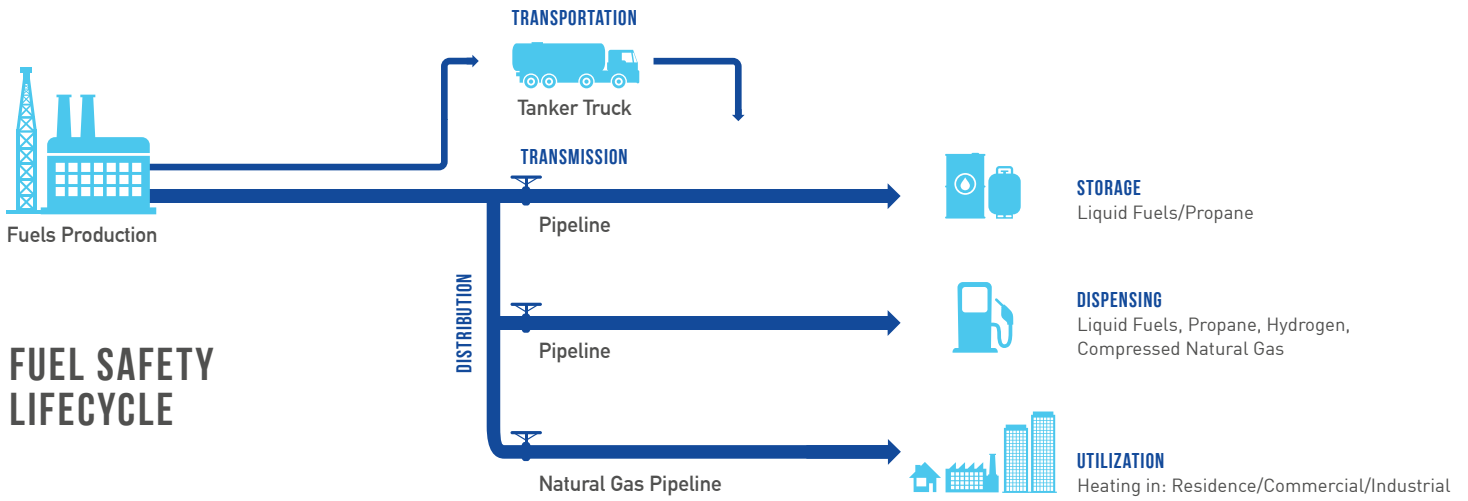
### TECHNICAL ADVISORY SERVICES

Industry/consumer fuels-related  
support, incident reporting

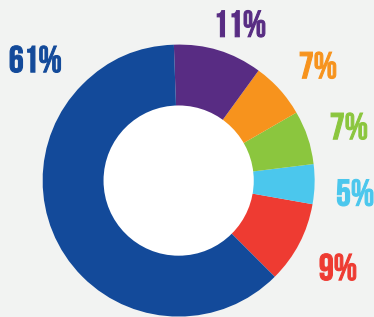


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## CERTIFICATE HOLDERS



45,000	<b>Gas Technicians</b> G.1, G.2, G.3
7,600	<b>Oil Burner Technicians</b> OBT-1, OBT-2, OBT-3
4,700	<b>Gas Piping Fitter/Inspector</b> GP, GPI
4,700	<b>Petroleum Mechanics</b> PM.1, PM.2, PM.3, PM.4, PMH
3,400	<b>Industrial Maintenance Technicians</b> IMT
6,500	<b>Other</b>

## LOW RISK SITES\*



**LIQUID FUELS SITES**  
considered low risk



**PROPANE SITES**  
considered low risk

\*TSSA 2022 Public Safety Report

**71,900+**

Certificate Holders (30+ categories)

**8,400+**

Registered Contractors

**7,900+**

Licensed Sites

**ANNUALLY WE  
PERFORM/ISSUE:**

**2,400+**

Contractor Audits

**3,000+**

Compliance Orders



### STAFF:

**35**

Inspectors

**2**

Investigators

**15**

Engineers



### INSPECTIONS:

**3,100+**

Initials and Periodics  
of Licensed Facilities

**6,000+**

Follow-up/Others

**90+**

Incident Investigations



### ENGINEERING:

**1,100+**

Design Reviews

**500+**

Variances

**200+**

Environmental  
Assessments



### EDUCATION:

**25+**

Compliance Support  
Programs

**125+**

Accredited Training  
Providers

Numbers are approximate as of May, 2022



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