

# GOALS AND OBJECTIVES FOR 2018

## INDUSTRIAL SAFETY

- reduce the specific injury frequency rate with a fatal outcome by 20% from the average level of 2015-2017
- reduce the specific accident rate by 5% from the average level of 2015-2017
- reduce the specific number of traffic accidents by 10% from the average level of 2015-2017

## MITIGATING NEGATIVE ENVIRONMENTAL IMPACTS AND EFFECTIVELY UTILIZING RESOURCES

- achieving the targets for specific harmful (pollutant) air emissions
- achieving the targets for specific greenhouse gas emissions
- increasing the share of disposed and recycled waste
- reducing the share of above-limit payments for negative environmental impacts
- continuing to achieve the medium-term goal of increasing the APG utilization level to 95%
- further implementing environmental safety programmes

## ENERGY EFFICIENCY AND ENERGY CONSERVATION

### UPSTREAM DIVISION

#### Targets:

- implementation of the Upstream Division's energy conservation and improved energy efficiency programmes for 2018-2020 (502 million kWh)
- achieving the targets for specific electricity consumption at the Upstream Division in 2018 (29.57 kWh/TJ)

#### Focuses of energy conservation in machinery and technology:

- use of high-performance electric centrifugal pumps
- conducting geological and technical measures to reduce produced water and inject it into the formation
- reconstruction/modernization of pump units
- modernization of lighting systems and optimization of electric heating systems

#### Main objectives for energy conservation management:

- introduction and certification of energy management for compliance with the requirements of the international standard ISO 50001 at Gazpromneft-Yamal and Messoyakhaneftegaz
- staff training as part of the introduction of the EMS
- improving the Company's regulatory framework in matters concerning energy conservation and energy efficiency
- organizing the exchange of experience with companies in the industry

## DOWNSTREAM DIVISION

### Targets:

- Implementation of the Downstream Division's Energy Conservation Programme with the following savings of the main fuel and energy resources:
  - thermal energy – by 109,400 Gcal
  - fuel – by 38,300 tonnes of natural fuel
  - electricity – by 3.9 mn kWh
- Total economic effect – RUB 460.7 mn

### Main focuses of energy conservation in machinery and technology:

- replacing and modernizing process furnaces to increase their efficiency
- optimizing the recuperation system and using secondary energy resources in technological processes (using heat from product flows to heat raw materials as well as water and heat flows)
- increasing the efficiency of fuel use in process furnaces by utilizing modern technologies (ceramic coating of heating surfaces, ultra-thin thermal insulation coating, and improved burner devices)
- optimizing condensate collection and return systems
- optimizing the operation of compressor equipment
- increasing the efficiency of heat and steam supply systems
- modernizing lighting systems
- replacing turbo drives and steam pumps with electric drives

### Main objectives for energy conservation management:

- expanding the perimeter of the Downstream Division's Unified Energy Management System with the bitumen and lubricants enterprises Gazpromneft-Ryazan Bitumen Materials Plant and Gazpromneft-Moscow Lubricants Plant
- expanding the perimeter of the Downstream Division's Energy Conservation Programme with the new production enterprises: NOVA-Brit LLC, Polyom LLC, Sovkhimtekhn PJSC, POLYEFIR LLC, and BSV-CHEM LLC
- conducting internal energy audits (checks) of energy intensive technological installations at enterprises as part of the fulfilment of energy conservation targets and objectives at enterprises in 2018
- the development and replication of best practices for energy conservation and improved energy efficiency as part of the Energy Efficiency Network Group at the Energy Competence Centre
- conducting internal and supervisory audits of the EMS at subsidiaries and the Corporate Centre of the Downstream Division with the involvement of auditors from an international certification body
- organizing the training and advanced training of employees of the Corporate Centre and Downstream Division enterprises on the Energy Management System
- developing corporate standards and methodologies in matters concerning energy conservation energy efficiency
- continuing energy efficiency meetings between Gazprom Neft enterprises and Russian oil companies