

SESSION 5

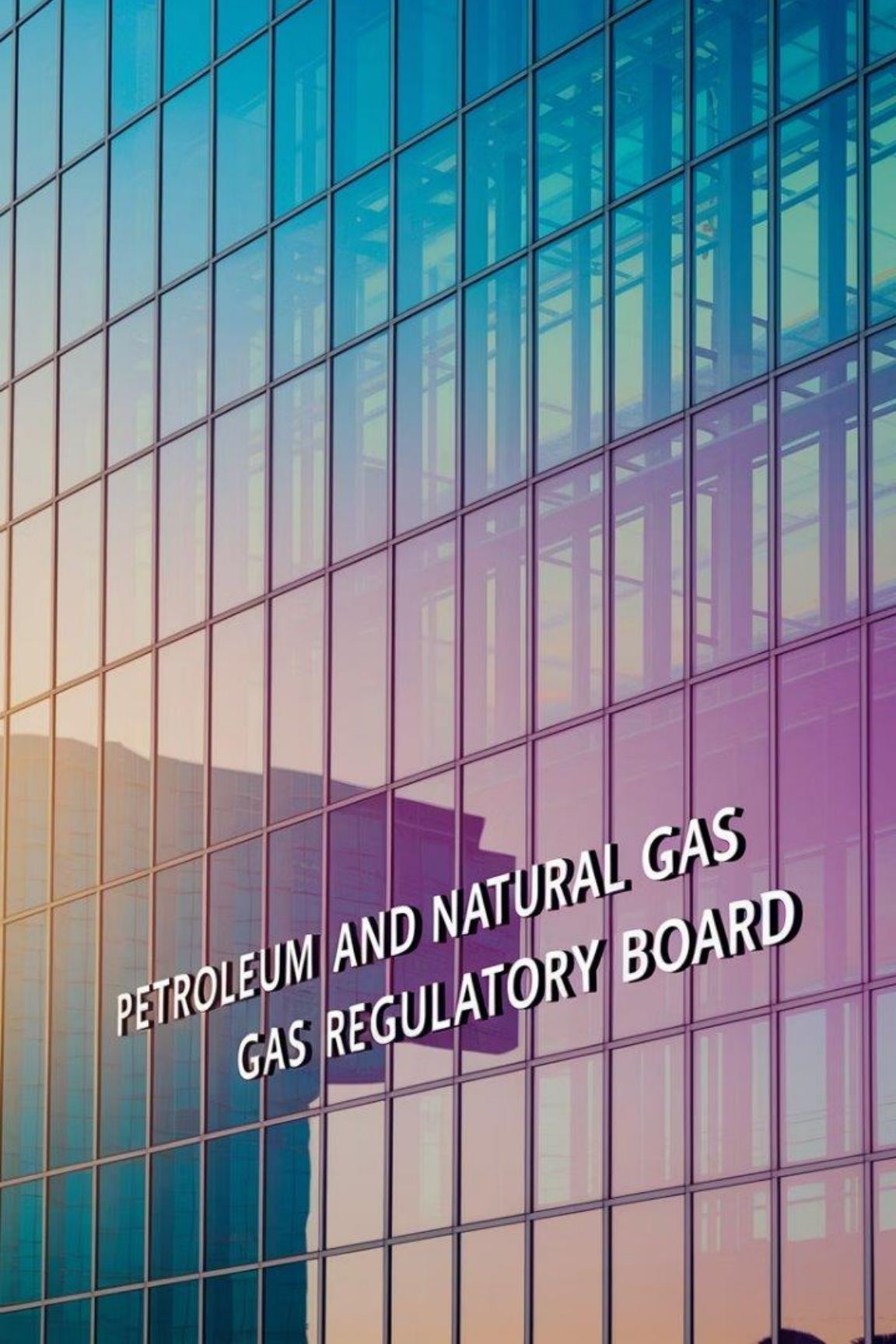
STATISTICS

DIVISION

& SUSTAINABILITY CELL



**MANEESH
DAVID SINGH**



STATISTICS DIVISION

GENESIS: Need for Statistics Division

Constitutional Framework

Established under PNGRB Act, 2006 (No. 19 of 2006), notified March 31, 2006.

Aligned with vision: Transforming PNGRB into a Data-Driven Regulator

Data Bank

11 (h) Maintains comprehensive databases on on all aspects of petroleum, petroleum products, and natural gas activities. This is to be read in conjunction with Section 51

Analysis

Analyses collected data by the divisions for trend analysis and forecasting, to provide valuable insights into the petroleum and natural gas sector and assist in decision-making.

- Maintain Data Bank
- Seek any information for ensuring transparency
- Power to verify the data submitted

Why Statistics Division?

- Evidence-based decision making
- Policy formulation foundation
- Gauging Performance across sectors
- Market transparency for investors

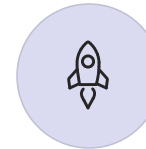
Strategy



- Transitioning from a data compilation unit to a strategic intelligence hub



- Enabling evidence-based decision making and regulatory insights



- Supporting sectoral foresight and policy formulation

Evolution

Roadmap

Strategic Vision Development



Key Roles Presented

Empowerment roadmap for Statistics Division



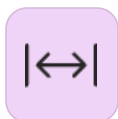
Strategic Roadmap

Comprehensive plan developed



Information Systems

Monthly MIS reports on performance



Analysis Framework

Half-yearly and Annual Oil & Gas Network assessment

Regulatory Framework Improvements



Best Regulatory Practices

Common features of statutory bodies



Act Amendment Support

Observations for PNGRB Act'2006



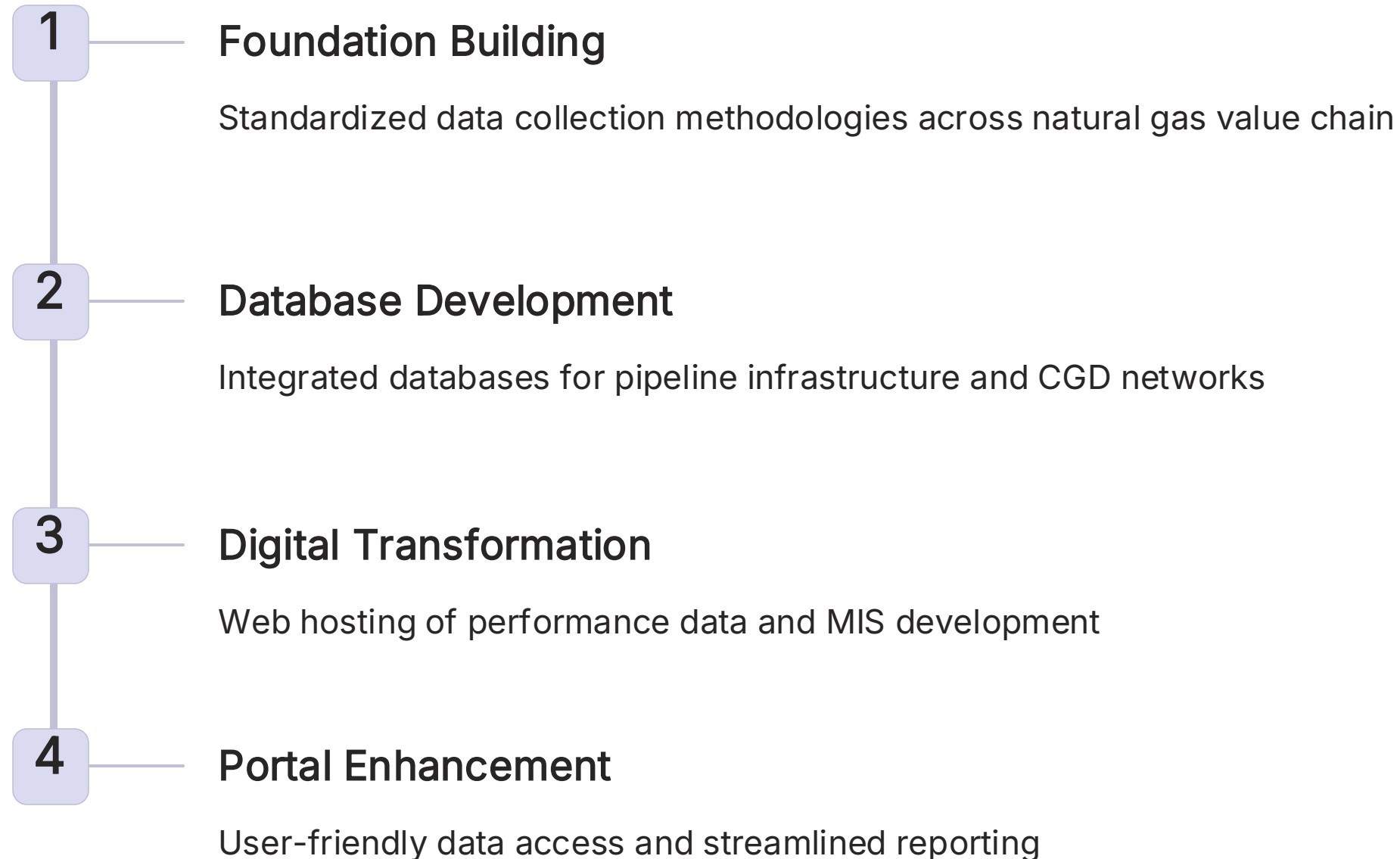
Compliance Framework

Screening regulations for requirements

FOCUS AREAS

1. Data intelligence,
2. Excellence recognition
3. Establish Benchmarks and Norms
4. Research studies,
5. Capacity building, and
6. Cross-functional analytics support.

Data Institutionalization Journey



Core Mandate & Strategic Role



Enabler

Facilitating market development through transparent data-based information



Facilitator

Supporting infrastructure planning and investment decisions



Regulator

Ensuring compliance and performance benchmarks

Primary functions include collection and analytical publication of data for

- NGPL
- PPPL and
- CGD sectors

Maintaining comprehensive data repository,

Analyzing demand-supply dynamics, and

Supporting strategic decisions and assisting policy formulations

Roadmap Overview



Short-Term (2025-26)

- Research studies
- Notify Data Bank Regulations
- Implement LPG-PNG surrender mechanism



Medium-Term (2026-27)

- Data Integration of Divisional Modules viz. Authorization, Monitoring, Technical, Commercial, Consumer Protection, CBG, H₂, Admin
- Advanced analytics platform deployment
- International partnerships establishment



Long-Term (Beyond 2027)

- Predictive modeling framework
- Real-time monitoring systems
- Open data initiative for public access

Why the Statistics Division is central to sector confidence

Data stewardship

It structures incoming sector information into usable series, consistent categories, and period-ready outputs for publication.

Regulatory support

It gives PNGRB a credible factual base for monitoring, review, communication, and consultative processes.

Industry enablement

It helps the industry see itself more clearly through common metrics, public comparability, and recurring intelligence.

The leadership message

When Statistics Division publishes well-structured reports,

- it reduces information asymmetry,
- raises transparency,
- improves boardroom conversations and
- turns regulatory data into sectoral insight.

In practical terms, it helps both PNGRB and the industry move faster with better evidence.

Publications that make the Oil & Gas Sector Visible

Brief on PNGRB publications

- Where to find them,
- How to use them,
- Why they matter, and
- How the Statistics Division enables evidence-based regulation and industry visibility.

WHY THIS MATTERS

The publications are a decision system, not just a document set

For executives

- convert dispersed network, sales, coverage, and progress data into one common operating picture across CGD, NGPL, and PPPL.
- helps leadership benchmark entities, assess momentum, spot gaps, and anchor strategy discussions in published facts.

For PNGRB

- The publication suite supports transparency, monitoring, stakeholder communication, and evidence-led regulatory engagement.
- It also reinforces the Board's statutory role in maintaining a data bank and enabling structured sector information systems.

1

single official
entry point

2

key cadences:
monthly and
quarterly

3

core
infrastructure
domains:
CGD, NGPL,
PPPL

Many

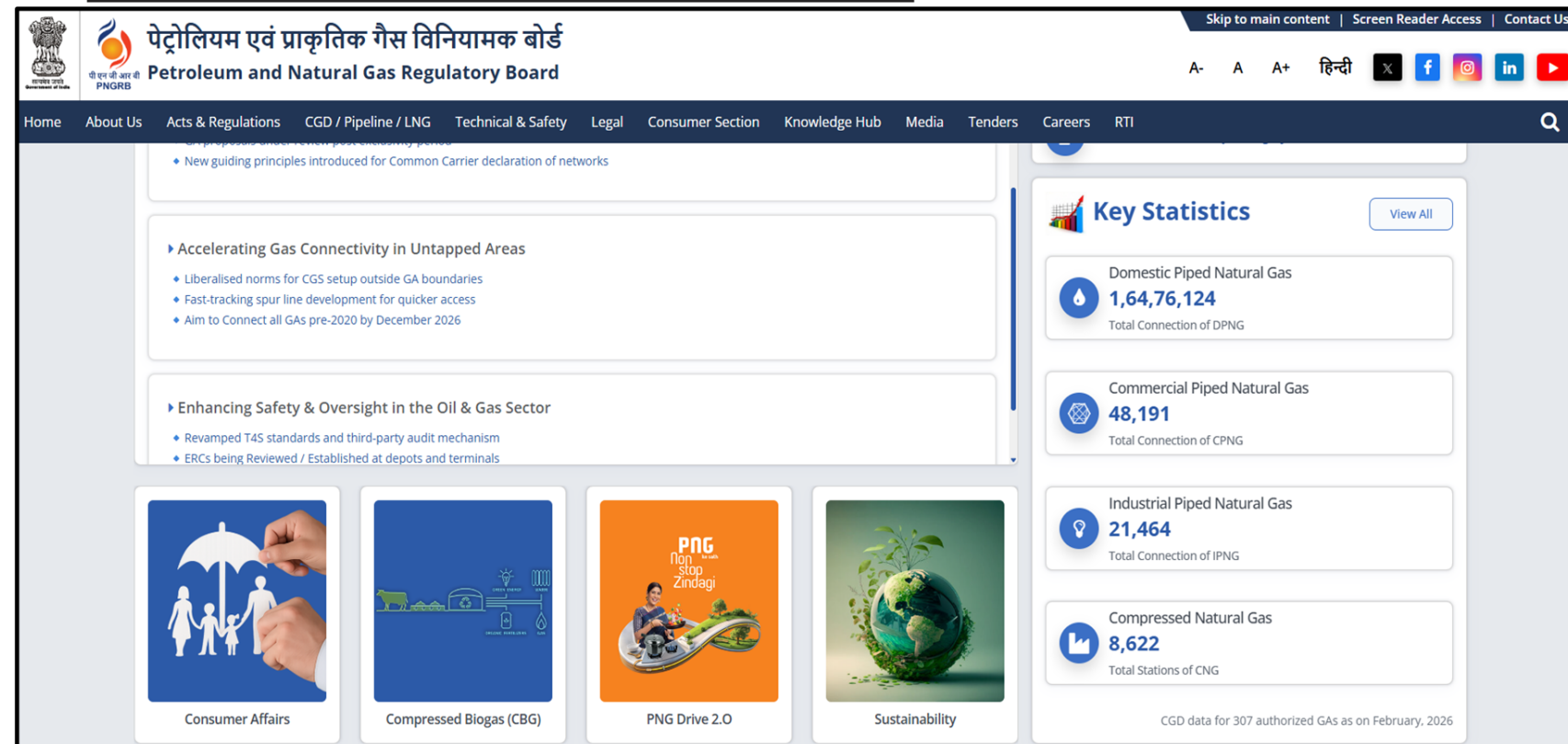
stakeholders
served by the
same
evidence
base

Data intelligence initiative

Primary navigation path

- Open the PNGRB website home page.
- Go to the Data Bank / Statistics-related section.
- Use the listed publication categories such as Monthly Bulletin, Monthly CGD MIS, Monthly NGPL MIS, Monthly PPPL MIS, CGD Progress Report, and pipeline progress sections.
- Open the latest PDF or relevant downloadable file for the period required.

- Creation of dedicated tiles on the PNGRB website, including a 'Key Statistics' tile for statistical data and a separate tile for PNGRB Awards.
- <https://pngrb.gov.in/eng-web/index.html>



Data intelligence initiative

- Click on **Key Statistics**. The website will then redirect you to this page, where you can access/view additional documents published on the site. <https://pngrb.gov.in/eng-web/statistics.html>



Key Statistics

View All



Domestic Piped Natural Gas

1,64,76,124

Total Connection of DPNG



Commercial Piped Natural Gas

48,191

Total Connection of CPNG



Industrial Piped Natural Gas

21,464

Total Connection of IPNG



Compressed Natural Gas

8,622

Total Stations of CNG

CGD data for 307 authorized GAs as on February, 2026

Statistics

Key Statistics

Title	Uploaded on	Data Sheet
PPPL MIS - Month of December 2025	05/03/2026	 pdf (Size: 281 KB)
PNGRB Monthly Bulletin - Month of December 2025	25/02/2026	 pdf (Size: 3.56 MB)
CGD MIS - Month of December 2025	25/02/2026	 pdf (Size: 8.40 MB)
Monthly CGD Progress Report As on December, 2025	12/02/2026	 pdf (Size: 578 KB)
NGPL MIS - Month of November 2025	28/01/2026	 pdf (Size: 1.71 MB)
Natural Gas Pipelines Network in India As on September, 2025	08/12/2025	 pdf (Size: 845 KB)
Petroleum & Petroleum Product Pipelines in India As on September, 2025	26/11/2025	 pdf (Size: 292 KB)

Archive

PNGRB Monthly Bulletin

Monthly NGPL MIS

Monthly PPPL MIS

Monthly CGD MIS

Monthly CGD Progress Report

Natural Gas Pipeline (NGPL)

Petroleum Products Pipelines (PPPL)

Monthly CGD MIS is the sector's operational heartbeat

Key features executives care about

- Target vs achievement
 - **Core management utility**
- GA-wise and state-wise visibility
 - **Benchmarking ready**
- CNG / PNG / pipeline indicators
 - **Multi-metric tracking**
- Graphical pages and top-performer views
 - **Executive readability**

What it typically enables

- Monitor network growth, domestic connections, CNG stations, and pipeline roll-out.
- Compare achievement against minimum work programme expectations.
- Identify lagging geographies and replicable high-performance practices.
- Support executive review meetings with one standard reference set.

NGPL and PPPL MIS make infrastructure progress visible and comparable

Monthly NGPL MIS

Best used for monitoring natural gas pipeline network progress, operating status, and regular infrastructure intelligence.

- Objective: periodic gas pipeline visibility.
- Audience: transporters, shippers, planners, regulators.
- Value: common basis for discussions on utilization, coverage, and system growth.

Monthly PPPL MIS

Best used for petroleum product pipeline progress and periodic operational visibility across the liquid fuels logistics chain.

- Objective: transparent product pipeline tracking.
- Audience: OMCs, logistics managers, planners, regulators.
- Value: supports supply-chain review and corridor-level oversight.

Quarterly progress reports

Quarterly NGPL and PPPL progress reports serve a different purpose from monthly MIS: they are useful when management needs an implementation narrative, milestone review, and more stable trend interpretation rather than only monthly movement

The Monthly Bulletin and analytical notes help leadership move from data to meaning

Monthly Bulletin

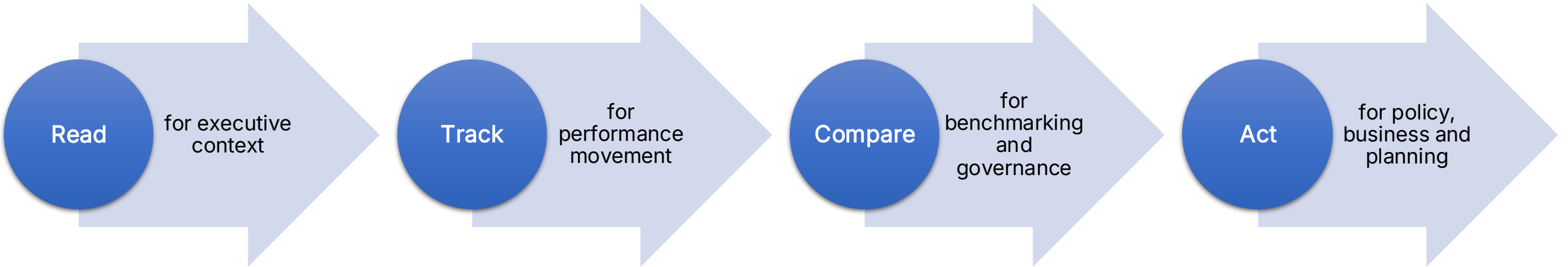
Ideal for senior leadership who need a compact monthly read across oil & gas themes, CGD developments, connected sector context, and market signals.

CBG–CGD connectivity studies

Useful for showing how renewable gas pathways can intersect with existing or emerging city gas networks and support cleaner fuel integration.

Tariff MIS analysis

IUseful where users need an analytical view of tariff-related information rather than only descriptive data tables.



How different stakeholders gain from the publication ecosystem

Entities and investors

- Track market expansion and competitor positioning.
- Support capex planning, business reviews, and board reporting.
- Use published benchmarks for internal performance discipline.

PNGRB and policymakers

- Improve visibility on execution, compliance and sector growth.
- Strengthen consultation, monitoring, and communication.
- Enable evidence-led regulatory refinement.

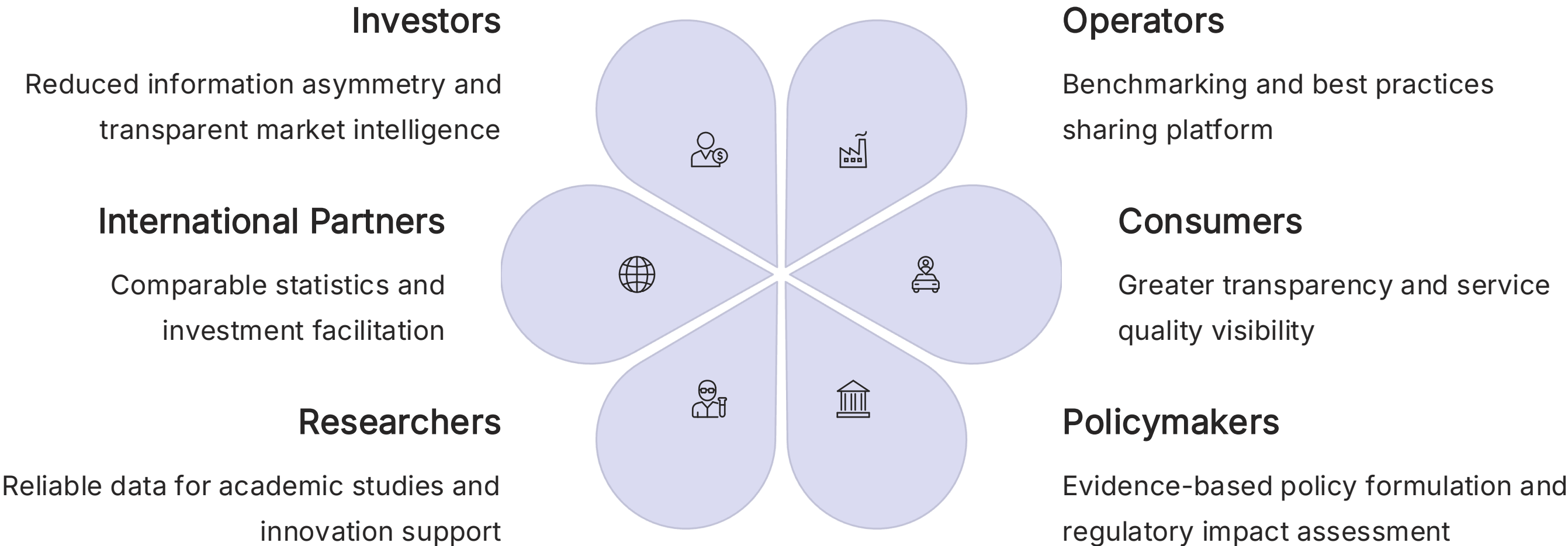
Consumers and public discourse

- Access clearer information on network expansion and service availability.
- Benefit from transparency and informed public notices.
- See the sector's transition story in an official format.

Researchers, analysts, consultants

- Get structured inputs for market analysis and evidence notes.
- Reduce dependence on fragmented unofficial sources.

Value Proposition Across Ecosystem



Notices, consultations and citation booklets deepen engagement beyond MIS reporting

Public notices

Items such as LPG surrender guidance linked to PNG adoption improve consumer awareness and support orderly transition communication.

Draft Data Bank & Information System Regulation

Consultation-oriented publications signal how PNGRB is strengthening its information architecture and inviting stakeholder participation.

Citation booklet: Excellence Awards 2025

Recognition publications showcase excellence in CGD and NGPL networks and create positive performance signalling across the sector.

The leadership message

These documents do more than inform;

- they shape behaviour,
- celebrate achievement,
- support consultation,

extend the visibility of PNGRB’s institutional work to a wider stakeholder community.

How it is important to the industry

Message frame

- PNGRB publications are made public for better understanding of the energy ecosystem.
- They promote transparency, comparability and informed decision-making.
- They allow executives to move from anecdote to evidence.

Call to action

- Use the Data Bank as the first-stop reference for official sector facts.
- Embed monthly and quarterly publications into management review routines.
- Encourage feedback so future publications become even more decision-useful.

Using data to promulgate competition, recognising innovation and excellence

PNGRB Excellence Awards

Gas Sector

Successfully Completed: October 6, 2025



01

Conceptualization & Design

Approval, design of application forms, and evaluation criteria discussion with HoDs and entities

03

Implementation & Outreach

Dedicated email channels, website portal hosting, social media publicity, and jury evaluation

02

Governance & Expert Panel

Board appraisal, formation of jury of eminent experts, and approval of evaluation criteria



PNGRB Excellence Awards: Impact

24



Total Awards

Distributed across NGPL and CGD sectors

Award Categories

CGD

PRE PNGRB
ROUND 1 – 8
ROUND 9 ONWARDS
JURY AWARDS

- Overall best Performance
- Operational Excellence
- Safety, Integrity & Technical Excellence
- Leader in Customer Care and Service Delivery
- Leader in Sustainability and Green Initiatives
- Highest CBG Blending
- Best GA not connected through Pipeline

PIPELINE

ENTITY LEVEL
>1500 KM
< 1500 KM > 1000 KM
< 1000 KM
GA LEVEL
> 1000 KM
< 1000 KM

- Gas Transporter of the year
- Leader in Operations & HSSE

Foundation Day

PNGRB celebration venue

Trophy & Certificates

Citation Booklet

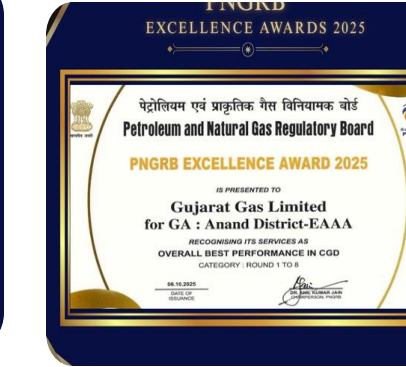
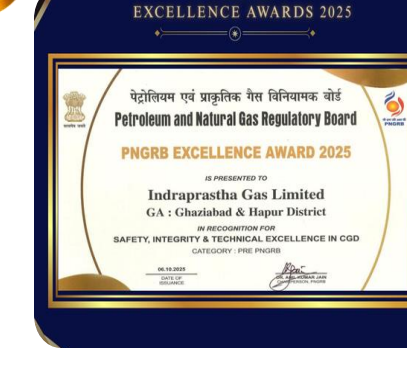


Chief Guest: Hon'ble Minister of Petroleum & Natural Gas

Audience: Eminent Personalities of the Oil & Natural Gas Sector

Impact Achieved

- Enhanced competitive spirit
- Recognition of best practices
- Benchmark setting for sector
- Proud moment for entity on a National Platform





BREAKTHROUGH INITIATIVES

Voluntary Surrender of LPG Domestic Connections

PUBLIC NOTICE ISSUED ON 07th NOVEMBER 2025

MECHANISM FOR SURRENDER OF LPG CYLINDERS POST CONVERSION

COST SAVING INITIATIVE



**Using PNG?
Surrender LPG.**

Be a responsible citizen...
If you have switched to PNG (Piped Natural Gas), you can now voluntarily surrender your unused LPG connection through your Indane distributor.

Advantages:

- Get your deposit back
- Free-up kitchen space
- Improve home safety

FOR ASSISTANCE, CALL
TOLL-FREE HELPLINE: **1800 2333 555**
or contact your Indane Distributor



**SAVE MORE.
SIMPLIFY YOUR SPACE.**

If you've switched to PNG, it's time to surrender your LPG connection

Why keep what you don't use?

- Voluntarily surrender your unused LPG connection today.
- Get your security deposit refunded.
- Avoid unnecessary maintenance or idle charges, and help build a cleaner, more efficient energy future for India.

Be a responsible citizen - surrender your unused LPG connection now.



Be a responsible citizen

Surrender your unused LPG cylinder today and help build a cleaner, safer energy future for India



PUBLIC NOTICE

Petroleum and Natural Gas Regulatory Board (PNGRB)
"Safe Home, Smart Choice - Surrender Unused LPG Connection"

VOLUNTARY SURRENDER OF LPG CONNECTIONS FOR PNG DOMESTIC CONSUMERS

The Petroleum and Natural Gas Regulatory Board (PNGRB) appeals to all citizens who have migrated to Piped Natural Gas (PNG) Domestic connections but have not surrendered their LPG connections to participate in this important National Initiative for a safer and more efficient energy ecosystem.

APPEAL TO CITIZENS

If you have switched to PNG but still retain your LPG connection, we urge you to voluntarily surrender your LPG connection to your respective LPG distributor at the earliest.

BENEFITS OF SURRENDERING YOUR LPG CONNECTION

FINANCIAL BENEFITS	SAFETY BENEFITS	NATIONAL BENEFITS
Refund of security deposit for cylinders	Eliminate fire hazards from storing unused LPG cylinders at home	Eliminate fire hazards from storing unused LPG cylinders at home
Save on space for unused cylinders	Reduce risk of gas leakage and related accidents	Reduce risk of gas leakage and related accidents
No risk of deterioration charges for non-returned cylinders	Ensure safer living environment for your family	Ensure safer living environment for your family
Contribute to national savings of thousands of crores annually	Prevent misuse of inactive connections	Prevent misuse of inactive connections

WWW.GUJARATGAS.COM



**Have you switched to PNG?
Claim your LPG security deposit.**

If you still retain LPG cylinders, voluntarily surrender them, it's simple and worth it.

- Get your security deposit refunded
- Save space & avoid maintenance charges
- Avoid deterioration fees for unused cylinders

Surrender now - Contact your local LPG distributor

Scan this QR Code for more info:



SWIPE



Be a Responsible Citizen

If you have switched to PNG but still retain your LPG connection

It's time to voluntarily surrender your LPG Connection today

Join this National Drive for Safer, Smarter Energy Future
Your Safety, Our Priority



PUBLIC AWARENESS

Be Smart, Stay Safe - Surrender Idle LPG Connections.

VOLUNTARY SURRENDER OF LPG CONNECTIONS FOR PNG DOMESTIC CONSUMERS

The Petroleum and Natural Gas Regulatory Board (PNGRB) appeals to all citizens who have migrated to Piped Natural Gas (PNG) Domestic connections but have not surrendered their LPG connections to participate in this important National Initiative for a safer and more efficient energy ecosystem.

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Save on space for unused cylinders	Reduce risk of gas leakage and related accidents	Reduce risk of gas leakage and related accidents
No risk of deterioration charges for non-returned cylinders	Ensure safer living environment for your family	Ensure safer living environment for your family
Contribute to national savings of thousands of crores annually	Prevent misuse of inactive connections	Prevent misuse of inactive connections



PUBLIC NOTICE

If you have switched to PNG but still hold an LPG connection. As per PNGRB notice, Adani Total Gas Ltd urges you to voluntarily surrender your unused LPG connection.

Why surrender?

Financial:

- Save annual unused-cylinder charges
- Avoid deterioration / non-return penalties
- Receive security-deposit refund

National:

- Reduce wasteful cylinder usage
- Better utilisation by OMCs
- Support India's clean-energy transition

Safety:

- Lower risk of gas leakage from idle cylinders
- Safer home environment

How to surrender:

- Contact your LPG distributor
- Submit voluntary surrender request
- Return cylinder/regulator or place under safe custody
- Collect your security deposit refund

If you face issues:

Level 1: Contact LPG distributor (written reminder)
Level 2: Escalate to OMC - BPCL / HPCL / IOCL
Or escalate to PNGRB:
• Email: grievance@pngrb.gov.in
• Website: pngrb.gov.in

**Be a responsible citizen.
Surrender the unused LPG connection today.**



पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड
Petroleum and Natural Gas Regulatory Board

ई-400, चतुर्थ तल, डब्ल्यूटीसी, नौरोजी नगर, नई दिल्ली - 110029
E-400, 4th Floor, WTC, Nauroji Nagar, New Delhi - 110029
ई-मेल /E-mail: contact@pngrb.gov.in

PNGRB/Statistics/CGD-LPG(2)/2025 07th November 2025

PUBLIC NOTICE

VOLUNTARY SURRENDER OF LPG CONNECTIONS FOR PNG DOMESTIC CONSUMERS

The Petroleum and Natural Gas Regulatory Board (PNGRB) appeals to all citizens who have migrated to **Piped Natural Gas (PNG) Domestic connections** but have **not surrendered their LPG connections** to participate in this important **National Initiative** for a safer and more efficient energy ecosystem.

APPEAL TO CITIZENS

If you have switched to PNG but still retain your LPG connection, we urge you to **voluntarily surrender your LPG connection** to your respective LPG distributor at the earliest.

BENEFITS OF SURRENDERING YOUR LPG CONNECTION		
FINANCIAL BENEFITS	SAFETY BENEFITS	NATIONAL BENEFITS
✓ Refund of security deposit for cylinders	✓ Eliminate fire hazards from storing unused LPG cylinders at home	✓ Reduce wasteful expenditure ultimately borne by consumers
✓ Save on space for unused cylinders	✓ Reduce risk of gas leakage and related accidents	✓ Enable better resource utilization by Oil Marketing Companies
✓ No risk of deterioration charges for non-returned cylinders	✓ Ensure safer living environment for your family	✓ Support India's urban energy transition
✓ Contribute to national savings of thousands of crores annually	✓ Prevent misuse of inactive connections	✓ Contribute to national energy efficiency

PROCESS MATRIX		
SURRENDERING YOUR LPG CONNECTION	ESCALATION MECHANISM	Escalate to PNGRB
STEP 1: Contact your local LPG distributor	In case of any issue or grievance: Level 1: Contact your Local LPG Distributor and provide a written request reminder for action Level 2: Escalate to respective Oil Marketing Company - BPCL - HPCL - IOCL	Email: grievance@pngrb.gov.in Website: www.pngrb.gov.in
STEP 2: Submit a voluntary surrender request with your LPG connection details		
STEP 3: Return any LPG cylinders and regulator in your possession (if applicable) and terminate the connection. Alternatively, place the connection in safe custody .		
STEP 4: Collect your security deposit refund as per the surrender process. This is also applicable in the case of Safe custody .		

IMPORTANT INFORMATION	Assurance
In Case of Emergency - Emergency LPG connections are available during exigencies - Off-the-shelf LPG supply available at designated places - You can always reconnect if needed in future at the same Security deposit, if the connection is placed under safe custody.	This is a voluntary, consumer-centric initiative aimed at: - Enhancing household safety - Reducing unnecessary financial burden - Supporting national energy goals

BE A RESPONSIBLE CITIZEN
Join this National Drive for a Safer, Smarter Energy Future
"Your Safety, Our Priority - Surrender Unused LPG Connection Today"

Secretary

MONTH	Number of Customers Terminated / Kept in safe custody
November'25	5154
December'25	7497
January'26	7264
February'26	7030
Total	26945

INTEGRATED ANALYTICAL SUPPORT

PNGRB Internal Cross Functional Analytical Support

Data-driven decision making across PNGRB divisions including Monitoring Division, CBG Cell, and various other units.

- Customized analytical frameworks
- On-demand data intelligence support
- Cross-divisional data integration
- Decision support analytics

Board Engagement: Presentations to PNGRB Board on Oil & Gas sectors .

Technical Integration & Portal Enhancement

IT Coordination

- Coordination with IT Cell and entities to streamline data submission and smooth collation workflows.

Portal Enhancements

- Visual improvements, new tabs and tiles design, strategic placement for improved user experience and effectiveness.

Data Infrastructure

- Standardized submission protocols, quality control mechanisms, and historical data preservation.

Bridging Industry, Academia and Regulatory Engagements

Academia

- Tie-up with apex statistical bodies to strengthen advanced analytical capability viz. ISI, IIT etc.
- Internship engagement with ISI Kolkata to bring academic rigor, fresh talent, and applied statistical research into the energy regulatory space.
- Collaboration aimed at developing stronger sector datasets, forecasting methods, and analytical tools for policy and monitoring.

Industry

- Partnerships designed to align PNGRB's statistical and analytical outputs with evolving sector realities and operational requirements.
- **MOU with IEA** has been approved and is awaiting signing.
- **Collaboration with TERI** is under active consideration and being worked upon.
- Industry engagement to supports better understanding of market evolution, infrastructure rollout, demand patterns, and transition pathways viz. MoSPI, PPAC

Regulators

- Collaboration platform intended to connect regulatory practice with data science, policy research, and sector intelligence.
- Create a common fact base for decision-making across regulated entities, government, and knowledge institutions.
- Strengthens the role of PNGRB as a data-informed regulator supporting transparency, planning, and sector development.

Statistics Division Capacity Building Initiatives



Data Governance Excellence

Entity training and capability enhancement programs to improve data submission compliance and quality.



Automated Systems

Implementation of automated data collection and error detection systems for streamlined operations.



Training Modules

Specialized programs for industry professionals and regulatory staff to enhance statistical literacy.

From data publication to sector transformation

PNGRB STATISTICS DIVISION IS AN ENABLER OF EVIDENCE-LED GROWTH

**The stronger the publication system,
the stronger the transparency, benchmarking, policy dialogue
the better is the confidence of stake holders across
India's oil and gas ecosystem.**

RAVE REVIEWS

Accolades and Appreciation



Udit Gupta

• Following

PwC | Ex- KPMG | Energy Transition Expert | CGD | Power | Industry Strategist | ...

10mo • Edited •

🔥 City Gas Distribution Sector Performance Update 2025 🔥
The latest PNGRB MIS report reveals a mixed performance in India's City Gas Distribution (CGD) sector:

📌 PNG Domestic Connections :
Despite a Minimum Work Programme (MWP) target of 3.0 Cr. (pro-rata), only 1.50 Cr connections have been achieved so far — just 50% of the pro-rata target.

📉 Underperformance in PNG Domestic Connections
The 10th to 12th bidding rounds have seen significant shortfalls:
9th Round (2018) : ~26% of pro-rata target achieved
10th Round (2019): ~21%
11th Round(2022): ~1%
11A Round(2022): ~0%
12th Round(2024): 0%
🗣️ Let's discuss:

What's driving the CNG success ?
What barriers are slowing PNG adoption across segments ?
How can policy and innovation bridge these gaps ?
Rajiv Sikka Rajeev Mathur Vipin Chandra Chittoda Dr Pankaj Sharma Shreyans Motani
#CityGasDistribution #PNGRB #EnergyTransition #CNG #PNG #CleanEnergy
#Infrastructure #IndiaEnergy #Sustainability #GasSector #Industrial #Commercial
#LNG #CGD

STATISTICS DIVISION			
PNGRB MIS REPORT			
CITY GAS DISTRIBUTION : MONTH OF MARCH'2025			
TARGET VS ACHIEVEMENT : CUMULATIVE			
Sl	PARAMETER	MWP T	PT
1	PNG Domestic Connections (Nos)	12,63,55,818	3,00,06,455
2	Billed Connections (Nos)	-	-
3	CNG Stations (Nos)	18,336	4,877
4	CGD Pipelines (Inch-KM)	5,46,867	3,54,732
5	Commercial Customers (Nos)	NA	NA
6	Industrial Customers (Nos)	NA	NA
TOP 3 GAS (PNG D CONNECTIONS) : MONTH (Mar'25)			
Sl	ENTITY	GA NAME (GA ID)	PNG D (Nos.)
1	Mahanagar Gas Limited	Thane Urban (ID-99.07)	45,328
2	Maharashtra Natural Gas Ltd	Pune City (ID-99.05)	32,292
3	Mahanagar Gas Limited	Mumbai (ID-99.02)	23,719
PNG D CONNECTIONS (NIL: 93 GAS			
Sl	BIDDING ROUND	GAS (Nos.)	
1	Section 42		0
2	Section 16		0

360 internal and external interfaces



City gas expansion loses steam in Apr-Dec as customer additions, infra growth falter

City Gas Distribution: The number of new CNG stations and pipeline installations decreased. This slowdown is attributed to factors like natural gas competitiveness

energy.economictimes.indiatimes.com

City Gas Distribution: City gas expansion loses steam in Apr-Dec as customer additions, infra growth falter, ETEnergyworld
<https://energy.economictimes.indiatimes.com/news/oil-and-gas/city-gas-expansion-loses-steam-in-apr-dec-as-customer-additions-infra-growth-falter/128834787> 19:01 ✓

NEWSPAPER PUBLICATION BASED ON PNGRB MONTHLY BULLETIN APRIL TO DECEMBER PERFORMANCE 19:01 ✓

City Gas Expansion Loses Steam in Apr-Dec as Customer Additions, Infra Growth Falter

Industrial customer additions slide 16%; new connections to households dip 5%

Sanjeev Choudhary

New Delhi: City gas distributors are losing momentum in both customer additions and infrastructure expansion. Industrial customer additions fell 16% year-on-year in April-December 2025, while household additions declined 5%, according to data published by the Petroleum and Natural Gas Regulatory Board. In December alone, city gas companies lost 80 industrial customers against a net addition of 123 a year ago. For April-December, industrial additions stood at 922, down from 1,064 a year earlier. Industrial consumers account for 28% of total gas sales by city gas companies, compared with CNG's 63% and households' 8%.

New piped natural gas (PNG) connections to households declined to about 1.2 million in April-December from nearly 1.27 million in the year-ago period. In December, the drop was sharper at 18%, with additions falling to about 182,000. The commercial segment, which includes hotels, restaurants, etc., was largely flat, with new customer additions inching up 1% in April-December to 2,784. Infrastructure build-out also slowed markedly during the period. Commissioning of new CNG stations fell 17% to 542, with December witnessing a steeper 31% decline to 82 stations. Laying of both steel and MDPE (plastic) pipelines declined 12% each during April-December. In December, steel pipeline additions were down 8%, while MDPE

connections saw a sharper 32% fall. Steel pipelines transport high-pressure gas, while MDPE pipelines are used for low-pressure distribution. The slowdown in industrial additions has been driven primarily by the reduced competitiveness of natural gas against alternative liquid fuels, an industry executive said. Adding households has long been a challenge for city gas companies, which have frequently missed their licensing targets for residential connections. Expanding household networks requires multiple clearances, pipeline installation in congested residential areas and persuading consumers already reliant on subsidised LPG.

The decline in new CNG stations is more surprising, given that CNG has been the primary growth driver for city gas distributors. This does not indicate saturation in CNG demand; rather, companies appear to be moderating expansion to recover investments before accelerating again, the executive said. Many operators are already well ahead of their licensing targets for CNG station rollouts.



NATIONAL INSURANCE COMPANY LIMITED

Invites Proposals for AMC of RM PI vide RFP NO. NICTN/REP/2025/29-30-AMC

Detailed RFP will be available at <https://nationalinsurance.co.in>, <https://procure.gov.in> and <https://gem.gov.in> between 27th FEB 2025 to 10th MAR 2025 (11:00 noon). Fully completed proposals may be submitted on or before 1:00 PM of 10th MAR 2025 at National Insurance Company Limited, Head Office, 1st Floor, IT Dept., Premises No. 18-2374, Plot no.C8D-41, Rajarhat, New Town, Kolkata-700150. The bids will be opened at 2:00 PM onwards on 10th MAR 2025. Please visit the above websites at regular intervals for clarifications/announcements/contingendum.



Ranjith Kumar R

• Following

Natural Gas & LNG Professional | Exploring Energy Markets | Sharing...

2mo • Edited •

What CNG Data Tells Us: Policy Matters The Most.

First of all, MIS Reports from Petroleum and Natural Gas Regulatory Board (PNGRB) has quietly become one of the most insightful public datasets in India's gas sector.

Kudos to the Statistics Division — there is a lot to learn here.

One clear takeaway from the CNG data is the huge difference between states. Many states have low CNG sales per station. In most cases, this is because Gas infrastructure came late, especially in South and East India.

Received Sent

All (79) Mutual Connections (51) Your Company (5)

 Ashutosh K. is now a connection.
Message

 Prabhat is now a connection.
Message

 CHEMBIAN is now a connection.
Message

Dear Shri Maneesh Singh ji, your leadership in statistics and sustainability at PNGRB is truly commendable. I am authoring India's Smart Refineries Revolution—a national book initiative on AI, green innovation, and energy policy. Honoured to connect and share this vision.

 Newsletter • Weekly
Pieter Slegers @ invited you to subscribe to Compounding Quality
6 months ago

 Chesta Dubey
Senior Marketing Specialist at Wood Ma...

 PNGRB
PNGRB, PNGRB, PNGRB Dinesh P...



Chairperson PNGRB Anil Jain Sir

➡ Forwarded

Sir

Good morning

Excellent and comprehensive Monthly Bulletin. One stop MIS.

Pls do pass on compliments to the Team. Regards, suresh

15:23

Well done Maneesh and Team Statistics.

15:24

Strategic Research Studies

1

PNG Ecosystem Analysis

Current consumption landscape & future growth trajectory. Comprehensive sector-wise analysis with growth projections and strategic planning inputs.

2

LPG Logistics Optimization

Multi-modal transportation efficiency study comparing road, rail, and pipeline. Cost-benefit analysis for optimal logistics planning.

3

Dual-Fuel Consumer Behaviour

Economic impact of cylinder retention post-PNG transition. Analysis of consumer patterns and policy intervention insights.

4

Gas Transportation Loss Mitigation

Infrastructure efficiency enhancement study. Technical assessment of pipeline efficiency and loss mitigation strategies.

Data Bank and Information System Regulation

360 internal and external interfaces

Statistics Division: Regulatory Landmark

- Compilation of data (old and new formats) that needs to be submitted by OMC's and Entities to PNGRB

Status

- **Dec 19, 2025**: Draft Regulations formally webhosted for public consultation
- **Mar 10, 2026**: Compilation and webhosting of extensive Stakeholder Comments

Next Course of Action

- **Open House** planned to deliberate on the comments/ viewpoints of the Stakeholders



Thank You

Statistics Division

Petroleum and Natural Gas Regulatory Board

Vision Statement:

"To establish India's most comprehensive, transparent, and actionable petroleum and natural gas data ecosystem that enables world-class regulatory excellence"

For Further Information: Visit www.pngrb.gov.in

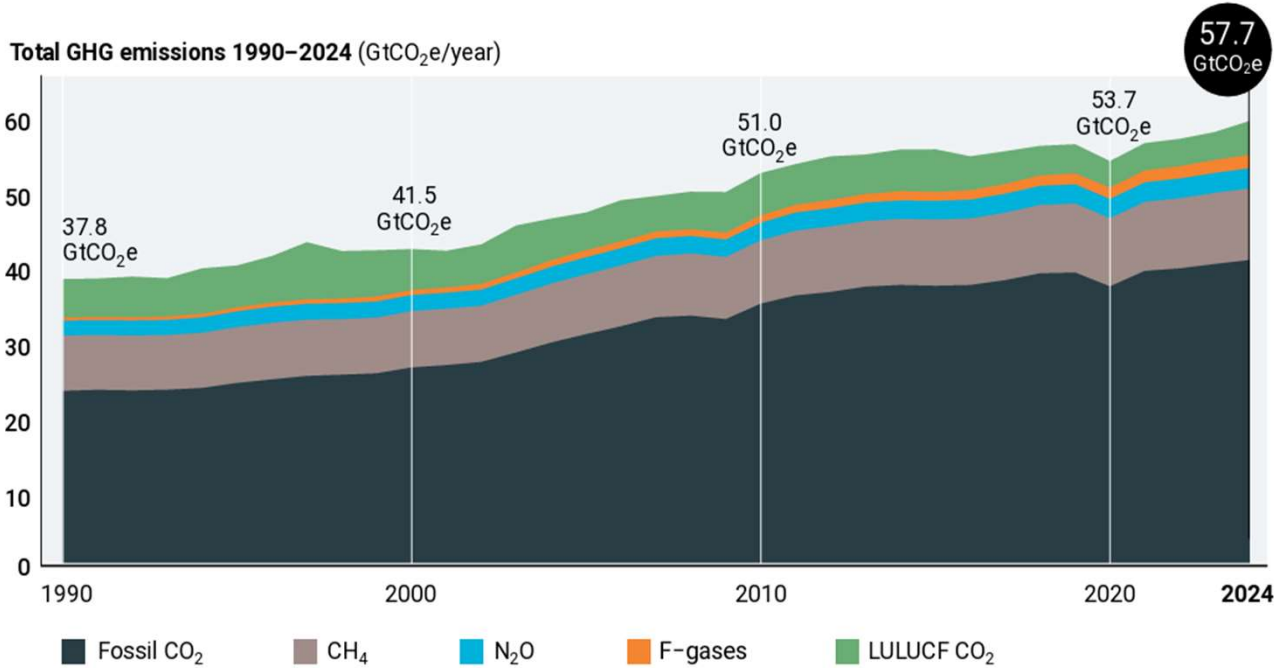
SUSTAINABILITY CELL

Birth, relevance, activities, roadmap and regulatory ecosystem

Emission facts

“Sustainability is no longer about responsibility—it is about resilience, relevance, and returns”

Global CO₂ Emissions trend from 1990 to 2024



Source: UNEP Emission Gap Report 2025

LULUCF: Land use, Land use change & forest

- Global emissions increased by **2.3%** in 2024 from 2023.
- Nations are **far from reaching** Paris Climate Agreement goal to limit global warming below 2°C.
- **75% of methane** from oil & gas can be eliminated using existing technology, often at low or negative cost

35%

Annual emission reduction required by 2035 (2019 baseline) to reach 2°C goal.

MAJOR ECONOMIES

Oil & Gas sector: driving sustainability

Sustainability parameters	UK	Australia	USA	Japan	Brazil	India
Environment Action Plan/report (Assured/Verified)	✓	✓	✓	X	X	X
Project lifecycle emissions in Authorization mandate through EIS	✓	✓	✓	✓	✓	X
Annual Reduction targets (with financial incentives/penalties)	✓	✓	X	X	✓	X
Integration with emission trading schemes	✓	✓	X	✓	✓	X
Activity level and corporate level disclosures	✓	✓	✓	X	X	X
Low-carbon methane blending mandates with linked incentives	✓ (bio-methane)	✓ (bio-methane)	X	✓ (e-methane)	✓ (bio-methane)	✓ (bio-methane, no incentives linked)
Linking financial instruments to support implementation	✓	✓	X	✓	✓	X

Sustainability now....

GROWING REQUIREMENT

- Oil and gas infrastructure is now evaluated not only for reliability and affordability, but also for emissions, efficiency, resilience and climate readiness.
- Midstream and downstream assets can either lock in inefficiency or become platforms for cleaner fuels, methane control and better resource use.
- For PNGRB, sustainability is becoming an operational issue, not a reporting issue.

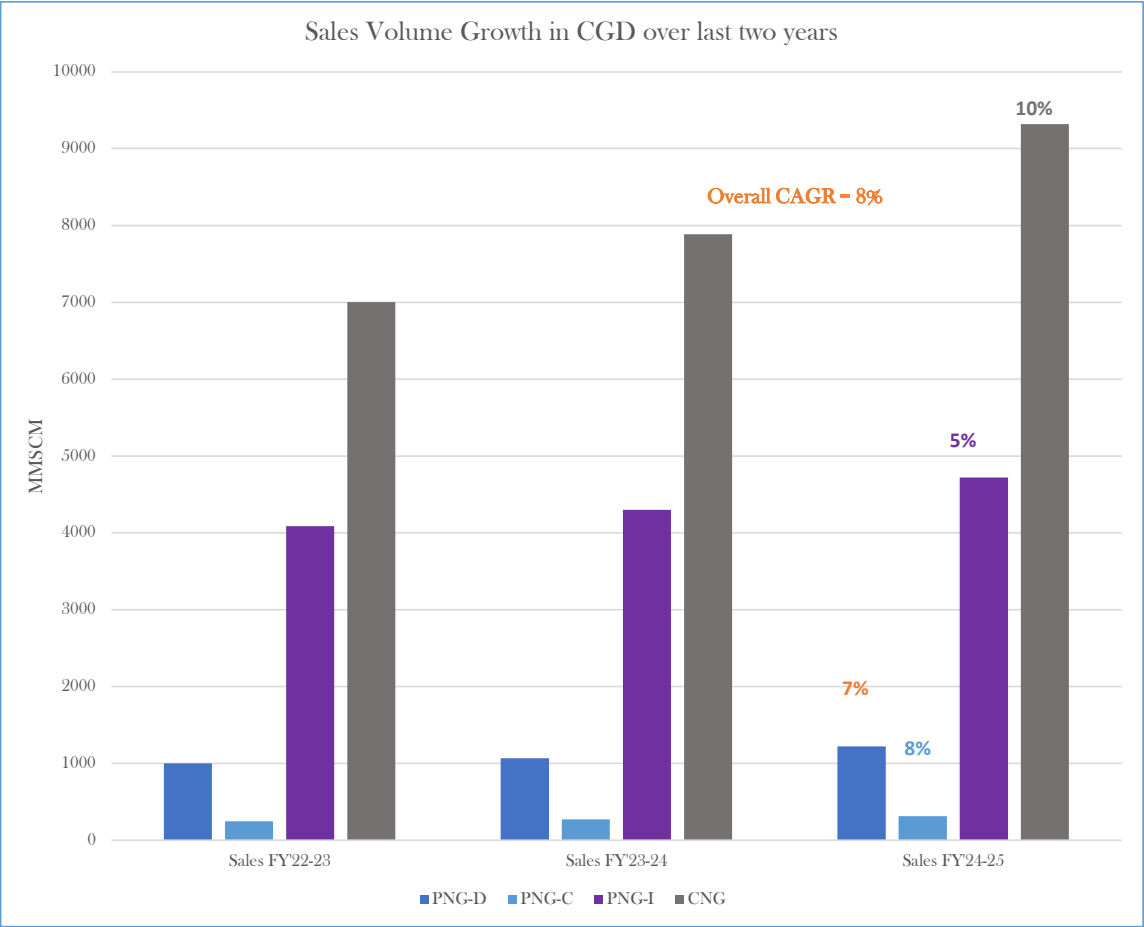
TRANSITION PHASE

- PNGRB's Sustainability Cell is positioned as a **strategic institutional response to the energy transition**, aimed at bringing sustainability, emissions management, efficiency, and ESG thinking into India's regulated midstream and downstream oil and gas ecosystem.
- It is linked to **case-study work**, net-zero orientation, environmental stewardship, and sectoral knowledge building.
- Cleaner fuels and efficient networks are all part of India's cleaner-energy pathway

INTEGRITY

Leak prevention, loss reduction and safety oversight directly become a concern and support sustainability outcomes.

National emission reduction



1 scm NG avoids 420 gm CO₂ eq against LPG on energy equivalent basis

FY'24-25	Volume (MMSCM)	Energy (TJ)	Targeted Fuel	tons of CO2 avoided
PNG-D	1224	2082	LPG	5205
PNG-C	314	534	LPG	1335
PNG-I	4722	8032	LPG	20080
CNG	9317	15848	MS (60%) & HSD(40%)	68145
Total	15577	26496		94765

Equivalent to CO₂ eq sequester by 2.4 million trees of 10 years age in a year

Midstream and Downstream

Clarity

Helps in creating a common language across Indian Oil & Gas diaspora for sustainability, reducing ambiguity for entities.

Competitiveness

Lower losses, better efficiency and stronger integrity support cost savings, finance ability and reputation.

Embedded Efficiency

Demonstrates that sector growth can remain aligned with environmental responsibility and social expectations.

Why Sustainability Cell?

National Commitment

India's NDCs under Paris Agreement

Sector Coverage

307 GAs and ~35,000 km NGPL infrastructure
PPPL, Refineries, Installation, Depots, Logistics

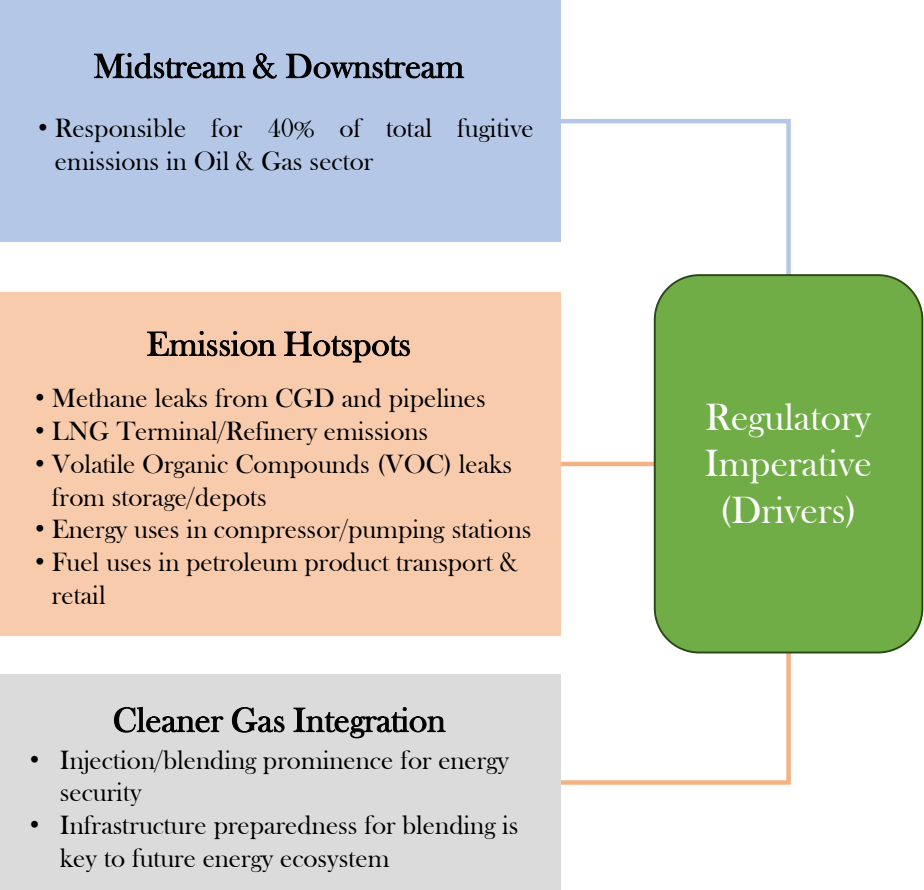
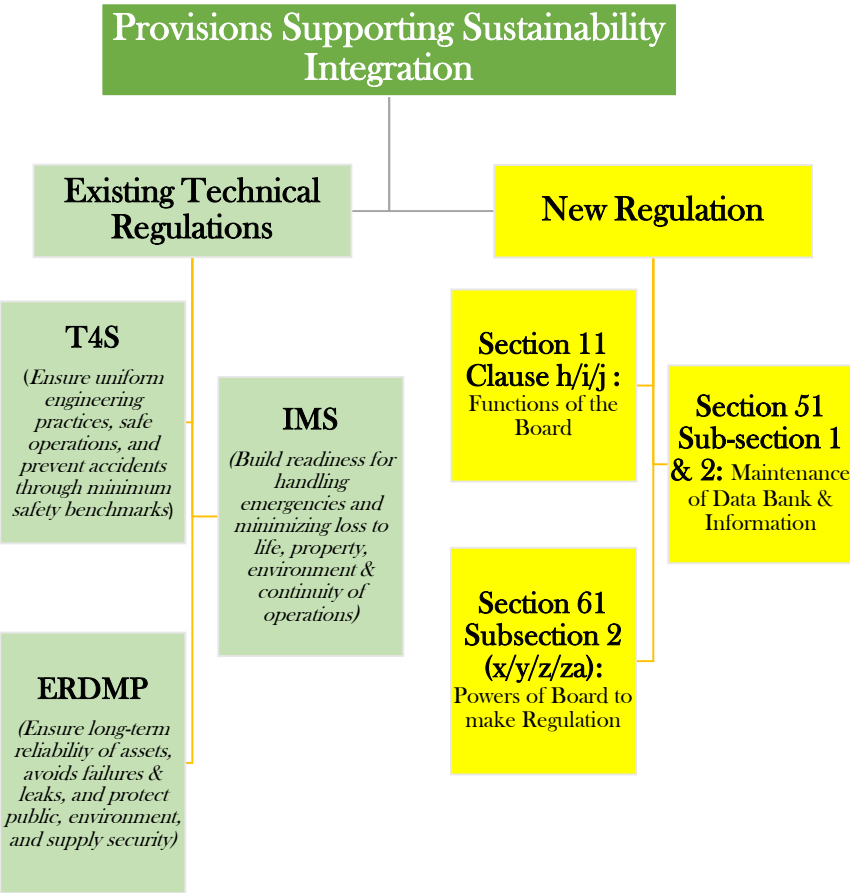
Industry Alignment

PSU Sustainability targets

Regulatory role

Gap identification, Co-ordination,
Establishing Benchmarks and Norms,
Decision making based on Sustainable practices

PNGRB Integration



Birth of Sustainability Cell

Strategic Initiative

PNGRB’s effort is to place sustainability strategically alongside focused institutional themes.

From Regulation to Stewardship

The Cell marks a shift from operating as regulating infrastructure towards shaping how infrastructure supports efficient, safer, lower-emission growth.

Act as catalyst, knowledge hub and provide supporting platform that translates sustainability from concept to measurable practice

Platform for transition

PNGRB places a dedicated mechanism to anchor sustainability metrics, case studies, benchmarking, establishing norms and future roadmap to bring about best practices that helps the consumer to have green low cost options.

Why it matters?

The oil and gas sector is no longer judged only on supply reliability and affordability; it is now also assessed on methane emissions, energy efficiency, carbon intensity, safety, resilience, and preparedness for low-carbon fuels. This is especially true for midstream and downstream segments, where pipelines, terminals, CGD networks, refineries, LNG systems, and marketing infrastructure can either lock in inefficiency or become platforms for decarbonization and cleaner fuel delivery.

Sustainability guiding principles

Vision

Position PNGRB as a catalyst for environmental stewardship in India's Oil & Gas downstream sector through strategic initiatives, knowledge sharing, and innovation, we're committed to **accelerating the transition** towards a low-carbon economy whilst ensuring energy security and sectoral growth.

Mission

- Monitor and reduce GHG emissions
- Promote operational efficiency
- Facilitate knowledge sharing
- Establish performance benchmarks

SUSTAINABILITY PILLARS

Building future together



Evidence-Based

Rigorous research and data-driven policy making

Industry-Led

Collaborative approach with regulatory facilitation

Technology-Enabled

Innovation and digital transformation

Globally Aligned

International best practices adapted for India

CORE OBJECTIVES

Sustainability Cell

Metrics and indicators

Develop sector-specific sustainability indicators for Indian midstream and downstream operations.

Leak and methane focus

Promote leak reduction, methane management and loss analytics as environmental and efficiency priorities.

Benchmarking

Identify replicable models and establish benchmarks from real field case studies.

Transition preparedness

Support readiness for hydrogen, cleaner fuels and low-carbon infrastructure adaptation.

Knowledge sharing

Create a platform for cross-learning among entities, regulators and sector stakeholders.

Regulatory inputs

Inform future standards, guidance notes, consultations and voluntary reporting frameworks.

SECTORAL COVERAGE

Across midstream and downstream value chain



City Gas Distribution

307 Geographical Areas across India serving millions of households and industries.



Natural Gas Pipelines

~35,000 km of pipeline infrastructure connecting production to consumption centres.



Petroleum Products Pipelines

Critical transportation infrastructure for refined products across the country.



Refineries

Coordination role for ~23 refineries to enhance energy efficiency and reduce emissions.

What the Cell can operationalize

Data and dashboards

Common templates for gas loss, fugitive emissions, energy intensity, incidents and sustainability performance..

Case-study extraction

Convert qualitative case studies into measurable benchmarks and adoption guides.

Pilot Study

Facilitate projects that target gaps between ideas to execution and enabling successful scale up to ensure real time adoption across industry

Capacity building

Workshops and cross-learning on best practices in leak detection, integrity and efficient operations.

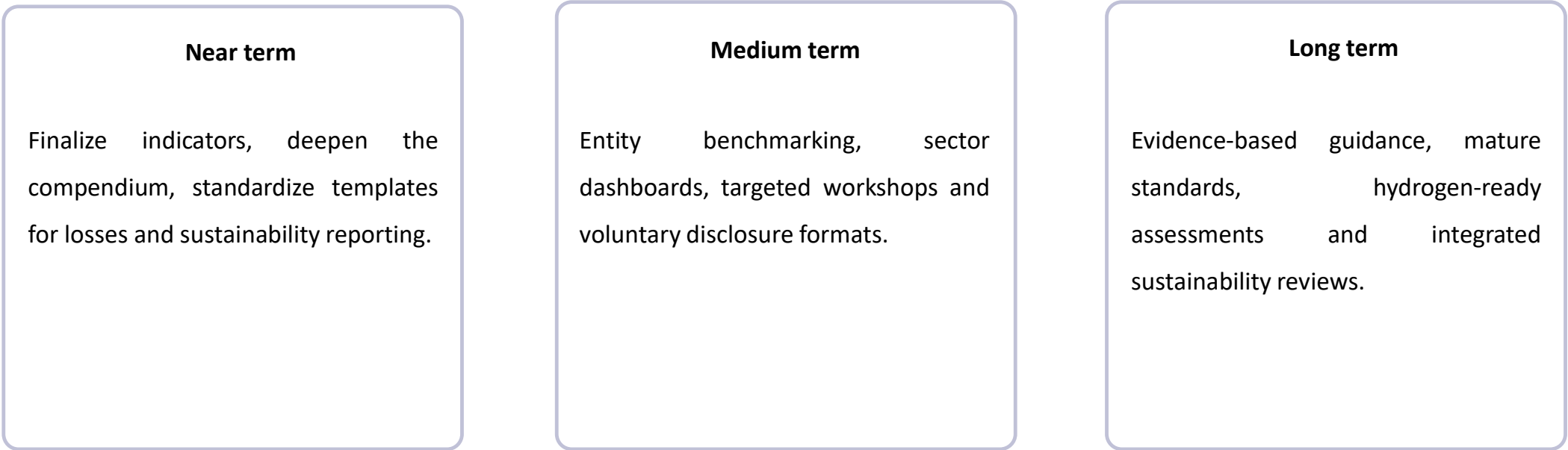
Transition readiness

Support assessments for future fuel readiness and evolving low-carbon network use.

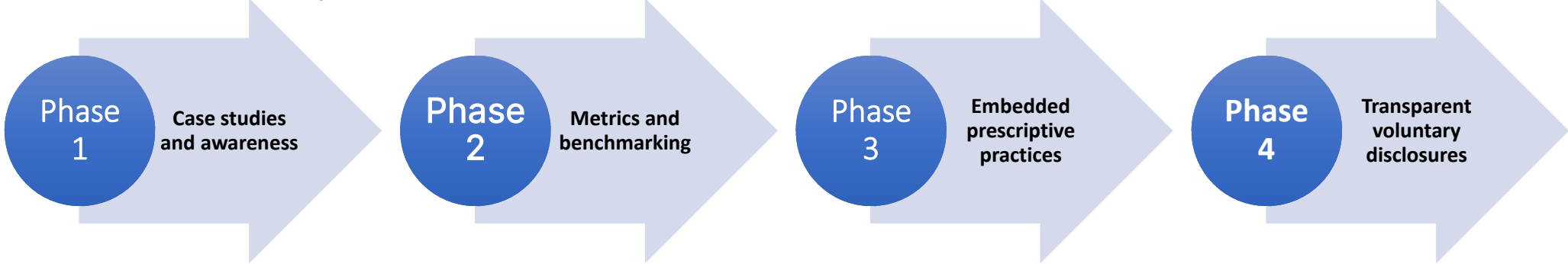
Institutionalizing innovations

Build up repository of standalone innovations that can be grouped and used as a stepping stone for feasible pilot launches.

Future Growth Plan



Illustrative Maturity Path



Sustainability framework



PHASED APPROACH
TO DEVELOP
FRAMEWORK



Regulatory and Global Partnership



Inhouse Cross Functional Support



Authorisation Division

Sustainability conditions in new licences and emission performance standards



Commercial Division

Impact of green investments on tariffs and efficiency incentive mechanisms



Technical Division

Standards for sustainable technologies and quality specifications



Monitoring Division

Compliance tracking frameworks and performance dashboards

From infrastructure regulation to transition stewardship



PNGRB SUSTAINABILITY CELL IS AN ENABLER OF GREEN AND CLEAN GROWTH

**The Sustainability Cell can help PNGRB
convert good practices into benchmarks, analytics into action,
and help in responsible
growth of India's mid stream and downstream oil and gas sector.**

SUPPORTING INDIA'S JOURNEY TOWARDS NET ZERO

Plugging revenue losses and maximizing consumer advantage

Leakage & Losses Assessment

- Co-develop data collection formats with industry
- Organise knowledge sharing workshops
- Establish industry-acceptable leakage benchmarks
- Implement UFG monitoring

Data Analysis Framework

CGD/NGPL
Industry level
leaks and losses
MIS



CGD/NGPL
Entity level leaks
and losses MIS



GA/Pipeline
level leaks and
losses MIS

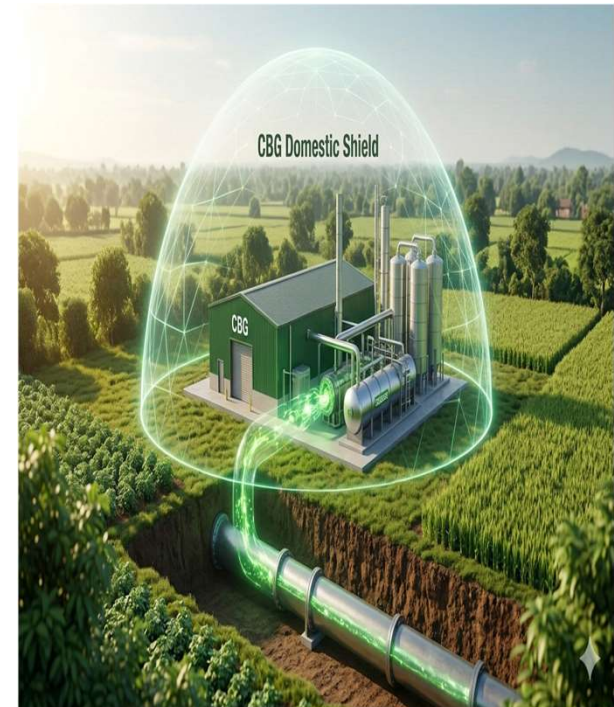
CURTAILING LEAKS AND LOSSES

- **Objective:** Develop a mechanism to monitor leaks and losses
- **Scope:** CGD, NGPL & PPPL
- **Activities:** Develop Standardized Formats, Data collection, Multi-level Data analysis, Stakeholder Engagement and Knowledge sharing

Plugging revenue losses and maximising consumer advantage

Green Fuel Integration Framework

- Finalise quality standards for blending of green fuels
- Launch pilot projects
- Create economic incentive framework



Plugging revenue losses and maximising operational advantage



Gas to Electric Compressors

Roll out electrification study findings, develop implementation roadmap, and identify pilot projects for electric compressor deployment.



Transportation Efficiency

Facilitate industry workshops on carbon intensity metrics and create collaborative platform for pipeline utilisation optimisation.



Energy Use Reduction

Implement energy efficiency benchmarking, process optimisation protocols, and waste heat recovery systems promotion.

Optimizing operations and building efficiency

Transportation Efficiency

Energy intensity benchmarking and knowledge exchange on drag reducing agents optimisation.

Road vs. Rail vs. Pipeline Analysis

Disseminate findings from road movement cost study and quantify emission savings from modal shift.

Emission Reduction

Decarbonisation roadmap for pumping stations and renewable energy integration studies.

Every drop counts: from waste to wealth

Efficiency Benchmarking

Industry presentations on Nelson Complexity Index in collaboration with CHT, including international benchmarking of Indian refineries and Energy Performance Index correlation analysis.

Energy & Process Emissions

Process optimization opportunities identification, energy management system implementation, and waste heat recovery systems.

Reducing carbon footprints: towards Net Zero

Carbon Intensity Tracking

Lifecycle emissions accounting with Scope 1, 2, 3 emissions monitoring and carbon intensity benchmarks.

Carbon Markets Participation

Emission reduction credit mechanism, trading platform participation, and international carbon market linkages.

CCUS Integration

Pilot projects for carbon capture, utilisation pathways identification, and storage facility development.

Major Achievements

Strategic Partnerships in process



MOU with TERI

Research collaboration and capacity building partnership for sustainability studies.

MOU with IEA

International best practices and global benchmarking collaboration.

Collaboration with CHT

Refinery efficiency studies and Nelson Index analysis partnership.

Data Collection Framework Progress

1

Format Development

Data collection formats developed for CGD, NGPL, and PPPL sectors.

3

Expert Consultations

Engaged with subject experts viz. Mr. Sushil Kumar (GAIL) and Mr. Shantanu (Retired GAIL) for best practices.

2

Industry Interactions

Presentations made to CGD entities (IGL, IOAGL) and discussions held with pipeline entities.

4

Technology Assessment

Interactions with equipment manufacturers for leak detection systems, Compressor manufacturers for electrification compatibility.

Knowledge Dissemination Achievements



CGD Conclave Presentation

Presented comprehensive framework on leaks and losses in CNG, PNG-D, PNG-C, and PNG-I at Gandhinagar.

Compendium Development

Documentation of successful case studies on sustainability practices currently in progress.

Internal Workshops

Sustainability views sought from all External and Internal resources to ensure integrated approach.

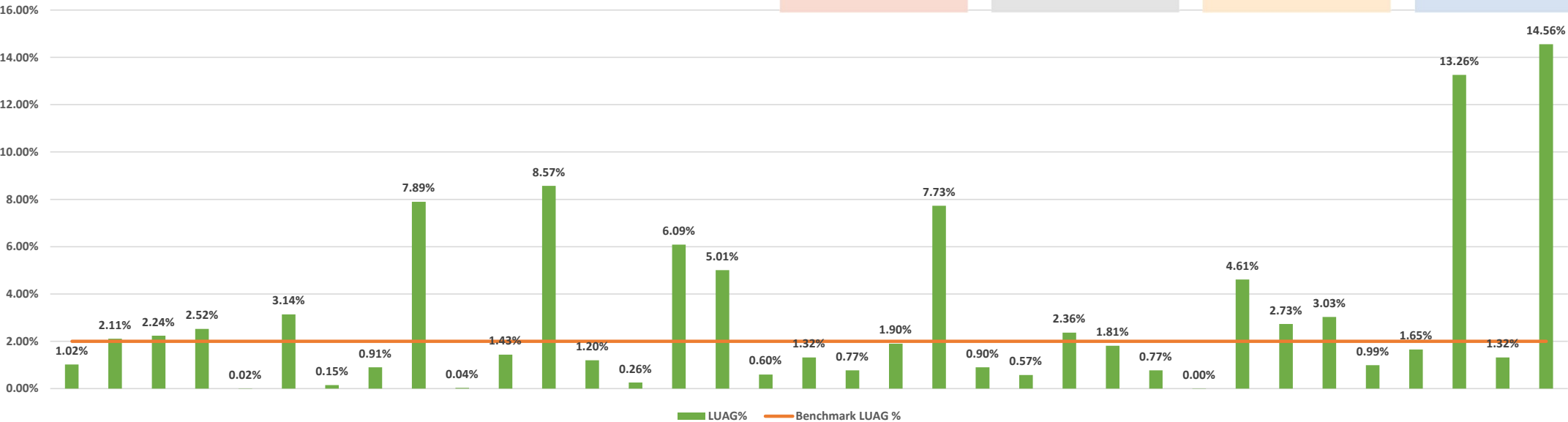
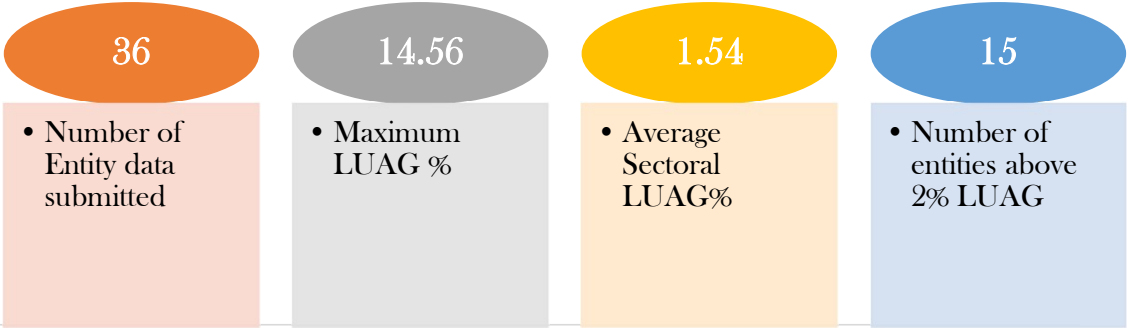
Plugging revenue losses and maximising consumer advantage



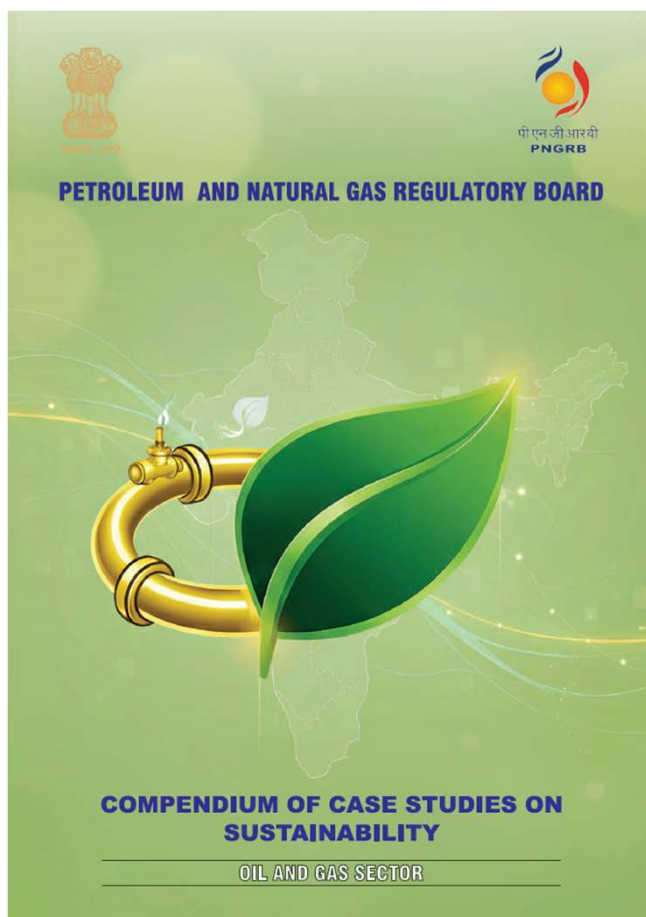
DESCRIPTION	CGD	NGPL	PPPL
Presentation given on leaks and losses prevalent at CGD conclave	✓		
Industry meeting held to understand monitoring mechanism and quantification carried out	✓	✓	✓
Developed Standardized formats for data collection	✓	✓	✓
Dashboard development	✓		
Data Analytics	✓		
International best practices and global benchmarking			

Plugging revenue losses and maximizing consumer advantage

Insights



Compendium of Successful Case Studies



Objective

To provide

a knowledge platform for sharing innovative practices and lessons learned

To encourage

replication of successful sustainability initiatives across the sector.

To serve

as a benchmark repository guiding organizations toward low carbon future.

Case Studies

Approximately 120 case studies received

40 case studies selected and featured

Extensive inter-divisional evaluation methodology for selecting case studies

Sustainability themes

Energy Efficiency

Clean Energy

Operational Efficiency

Emission Reduction

Circular Economy

Compendium of Successful Case Studies

Do You Know?

What is the calorific value of the fuel used in the Pipeline Gas Compressor?

The 'Fuel Gas Blending' initiative highlighted in the **PNGRB Sustainability Compendium** shows how using low-calorific-value gas to power compressors helps reduce fuel consumption and costs, improve energy efficiency, cut GHG emissions, and free high-value gas for commercial use.

Scan the QR to explore the full case study for replication insights and results

www.pngrb.gov.in

Energy Efficiency Enhancement through Fuel Gas Blending in Compressor Operations

The Opportunity	The Innovation
High-Value Pipeline Gas Gas Compressor	High-Calorific Value Gas Blending Low-Calorific Value Gas
The Improvisation	The Benefits
FUEL STREAM SELECTION •Utilizing internal, lower-value gas OPTIMIZED BLENDING •Mixing gas streams for optimal combustion SMART CONTROLS •Dynamic calorific value tracking and adjustments	Increased Cost Saving Reduced GHG Emission Increased Gas Sales Improve Efficiency

www.pngrb.gov.in

Dissemination of Knowledge: Compendium hosted under Sustainability Cell page of PNGRB website

- Physical Copy of Compendium book in offices of CMD of all oil & gas sector entities
- Number of Case Studies posted on social media – 6
- Total impressions on LinkedIn is High with engagement rate of around 25%

YOU CAN'T FIX, WHAT YOU CAN'T SEE!

FUGITIVE EMISSIONS OFTEN GO UNNOTICED BECAUSE THEY CAN'T BE SEEN

Let's understand how QOGI technology is detecting unseen gas leaks

Pipeline Infrastructure Limited uses Quantitative Optical Gas Imaging (QOGI) technology to detect and quantify fugitive methane across pipelines and facilities. Real-time plume visualization and precise leak measurement enables accurate emission accounting, faster repairs, and alignment with global Monitoring Reporting and Verification (MRV)/Leak Detection and Repair (LDAR) frameworks.

Scan the QR code to explore full case study

www.pngrb.gov.in

SEEING THE INVISIBLE METHANE REDUCTION

PROBLEM	SOLUTION
Fugitive methane emissions from pipelines	QOGI technology for real-time detection and quantification
HOW IT WORKS	OUTCOME
Optical imaging Analytics dashboard	80% more accurate leak detection 50% increase in mitigation speed Compliance with global standards
"Quantifying emissions for a cleaner future."	
IMPACT	
80% HIGHER DETECTION ACCURACY 60% better INVENTORY CONFIDENCE	50% FASTER FIXES EU/EPA READY REPORTING

www.pngrb.gov.in

Plugging revenue losses and maximising operational advantage

Objective and Importance

- Transitioning gas turbine compressors to electric drives to decarbonize pipeline operations while ensuring safety and reliability.

Assessment Methodology

- Multi-stakeholder committee conducted asset-level evaluation including site visits, OEM consultations, and pilot testing.

Findings and Phased Rollout

- Fourteen compressors identified for phased electrification from 2025 to 2033 focusing on key locations like Hazira and Vijaipur.

Sustainability and Economic Benefits

- Electrification reduces emissions, lowers lifecycle costs, and avoids fuel consumption and turbine overhauls.

Electrification of Compressors in NGPL

- **Comprehensive study** on techno-economic feasibility of converting gas-based compressors to electricity-based compressors in NGPL
- **A pilot program** with implementation roadmap to be developed.



Collaborative Studies



Study Objectives

- **Fuel Comparison:** Primary goal is to perform a comprehensive comparison between electric vehicles (EVs), natural gas-based vehicles (CNG/LNG), and conventional fuels (petrol/diesel).
- **Multi-Dimensional Analysis:** The assessment evaluates these fuels across 5 key parameters: Technical, Environmental, Economic, Social, and Geopolitical.
- **Evidence-Based Policy:** The findings are intended to support high-level decision-making for Chief Ministers, central ministries, and industry stakeholders to guide India's cleaner transport choices



Our Commitment to Excellence

"Through collaborative action, regulatory innovation, and unwavering commitment, the Sustainability Cell will drive transformative change across India's oil and gas sector, ensuring a cleaner, more sustainable energy future for generations to come."



Sustainability Cell

Petroleum and Natural Gas Regulatory Board

Thank You

Sustainability Cell

Petroleum and Natural Gas Regulatory Board
