



G L O B A L F O R U M

On Flaring and Venting Reduction
and Natural Gas Utilisation

Successful Flare Reduction: An Operator's Perspective

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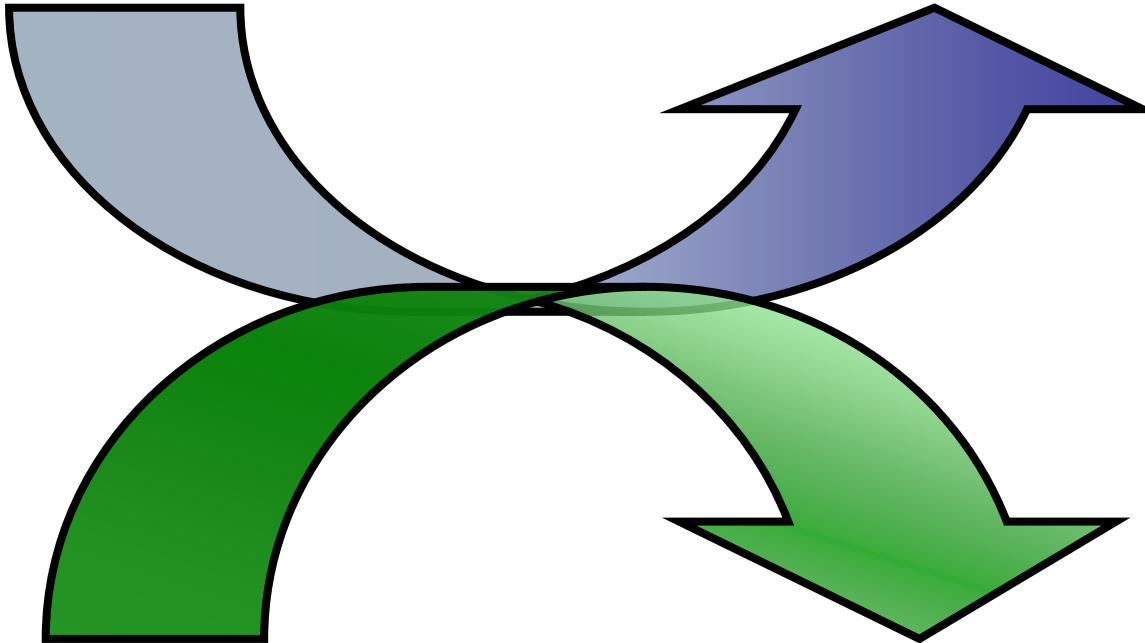
Goals Are Good...

- Assessment of current situation, desired objective an important feature of GGFR Global Standard
 - Need for better reporting protocols, methodologies to assess progress
- Objectives should allow for appropriate...
 - prioritization
 - e.g. size, proximity, production impact, capital cost
 - and flexibility
 - e.g. GGFR 10-year goal

Plans are better...


• Internal Process (Chevron)

Chevron
Flaring & Venting
Standard



External Process (GGFR)

GGFR Standard



Associated
Gas
Recovery
Plan

Projects are critical.

Chevron commercial projects contributing to flare elimination.

- Nigeria
 - Escravos Gas Projects
 - Multiple phases
 - West Africa Gas Pipeline
 - Escravos Gas to Liquids
 - Facility Repairs
- Angola
 - Sanha Condensate
 - Takula
 - Angola LNG
- Kazakstan
 - Tengiz Gas Utilization



Collaboration is key to project success.

Key Project Execution Challenges



- Government / Stakeholder approval hurdles
- Adequate project funding
- Security in areas of operation
- Regional manpower and materials availability
- Reliability of transportation infrastructure
- Internationally competitive fiscal terms
- Escalating costs
- Market access
- High cost/reliability of associated gas tie-ins
 - Competition with cheaper, more reliable gas resources

Key Roles for GGFR Phase III



- **Continue** emphasis on effective project planning and execution.
 - Expand from operator plans to national and regional plans based on project identification and execution.
- **Continue** focus on resolution of commercialization issues,
- **Develop** regional processes to help identify key barriers and facilitate project success.
- **Help** identify solutions beyond individual operator abilities.
- **Encourage** cooperative participation by all partners (operators and governments).
- **Utilize** World Bank's expertise in convening key parties on difficult issues.

Thank You

