

# **Workshop on Large Future CO2 Compression Systems**

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# Product of Prioritization Exercise

<b>R&amp;D Categories</b>	<b>Highest priority R&amp;D Project</b>					<b>Lowest Priority R&amp;D Project</b>
<b>Compression Systems Machinery and Components</b>	1	2	3	4	5	6
<b>Electric Drive Machinery</b>	1	2	3	4	5	6
<b>Drive Electronics and Components</b>	1	2	3	4	5	6
<b>Pipeline Issues</b>	1	2	3	4	5	6
<b>Integration of CO2 Capture and Compression</b>	1	2	3	4	5	6
<b>Properties of CO2 and Co-constituents</b>	1	2	3	4	5	6

# Product of Prioritization Exercise

<b>R&amp;D Categories</b>	<b>R&amp;D Project (“1” is highest priority)</b>
<b>Compression Systems Machinery and Components</b>	1
	2
	...
<b>Electric Drive Machinery</b>	1
	2
	...
<b>Drive Electronics and Components</b>	1
	2
	...
<b>Pipeline Issues</b>	1
	2
	...
<b>Integration of CO2 Capture and Compression</b>	1
	2
	...
<b>Properties of CO2 and Co-constituents</b>	1
	2
	...

# Proposed R&D Project Details

- **Title**
- **R&D Objective – experimental data, correlations, computational approaches, development and/or qualification of materials, component development, demonstration, field experience, etc.**
- **What is the desired result? – increased efficiency, reduced investment, reduced operating cost, reduced risk, etc.? By how much?**
- **Who will use the results? – researchers, designers, A&E's, operators, etc.**
- **How much will it cost?**
- **How long will it take?**

# Prioritization Process

- **During the discussion from 1-2 PM on Tuesday we will discuss the R&D topics suggested by the Workshop participants.**
- **We will display the suggestions on a screen visible to all by entering enter that information on the forms through a computer link.**
- **From 2-3 PM on Tuesday we will discuss the proposed R&D projects and then ask the participants to give us their priorities by voting on the forms during the discussion. Each Workshop participant will get ten votes to allocate. No more than three of those votes can be allocated to a single R&D project.**
- **After the meeting, I will sum the votes and provide a prioritized list of R&D topics to the Workshop participants to provide an opportunity for additional input. I will also try and summarize the votes by different interest groups – compressor machinery, electric drive, pipeline users, system integrators, A&E firms, researchers, etc., to determine if there is a difference of opinion based on background.**

# **Workshop Outputs**

- The authorized presentations will be posted on one or more publicly accessible websites**
- The prioritized results will be posted on the websites**
- A Proceedings of the Workshop will be prepared and distributed**