



U.S. Department of Energy



# Office of Repository Development Project Update

**Presented by:**

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**U.S. Department of Energy**

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**Las Vegas, Nevada**

# Key Technical Issue Agreements Status Summary

Reflects activity through February 8, 2005

KTI ID	Agreements Reached	Agreements Submitted to NRC	Responses Submitted In NRC Review	Partial Responses Submitted	NRC Needs Additional Information	Responses Remaining to be Submitted	Agreements Complete
CLST	58	58	14	0	0	0	44
ENFE	41	41	13	0	1	0	27
GEN	1	1	1	0	0	0	0
IA	22	22	4	0	4	0	14
PRE	9	9	2	0	2	0	5
RDTME	23	23	5	0	0	0	18
RT	29	29	14	0	0	0	15
SDS	10	10	5	0	0	0	5
TEF	15	15	7	0	0	0	8
TSPAI	58	58	23	0	6	0	29
USFIC	27	27	5	0	0	0	22
<b>Total =</b>	<b>293</b>	<b>293</b>	<b>93</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>187</b>

*NRC acknowledges that it is up to DOE to determine how, or whether, to respond to NRC staff feedback in DOE's response to the agreements.*

CLST: Container Life and Source Term

RT: Radionuclide Transport

ENFE: Evolution of the Near Field Environment

SDS: Structural Deformation and Seismicity

GEN: General    IA: Igneous Activity

TEF: Thermal Effects on Flow

PRE: Pre-Closure Safety

TSPAI: Total System Performance Assessment and Integration

RDTME: Repository Design and Thermal-Mechanical

USFIC: Unsaturated and Saturated Flow under Isothermal Conditions



# License Application Content and Supporting Documents

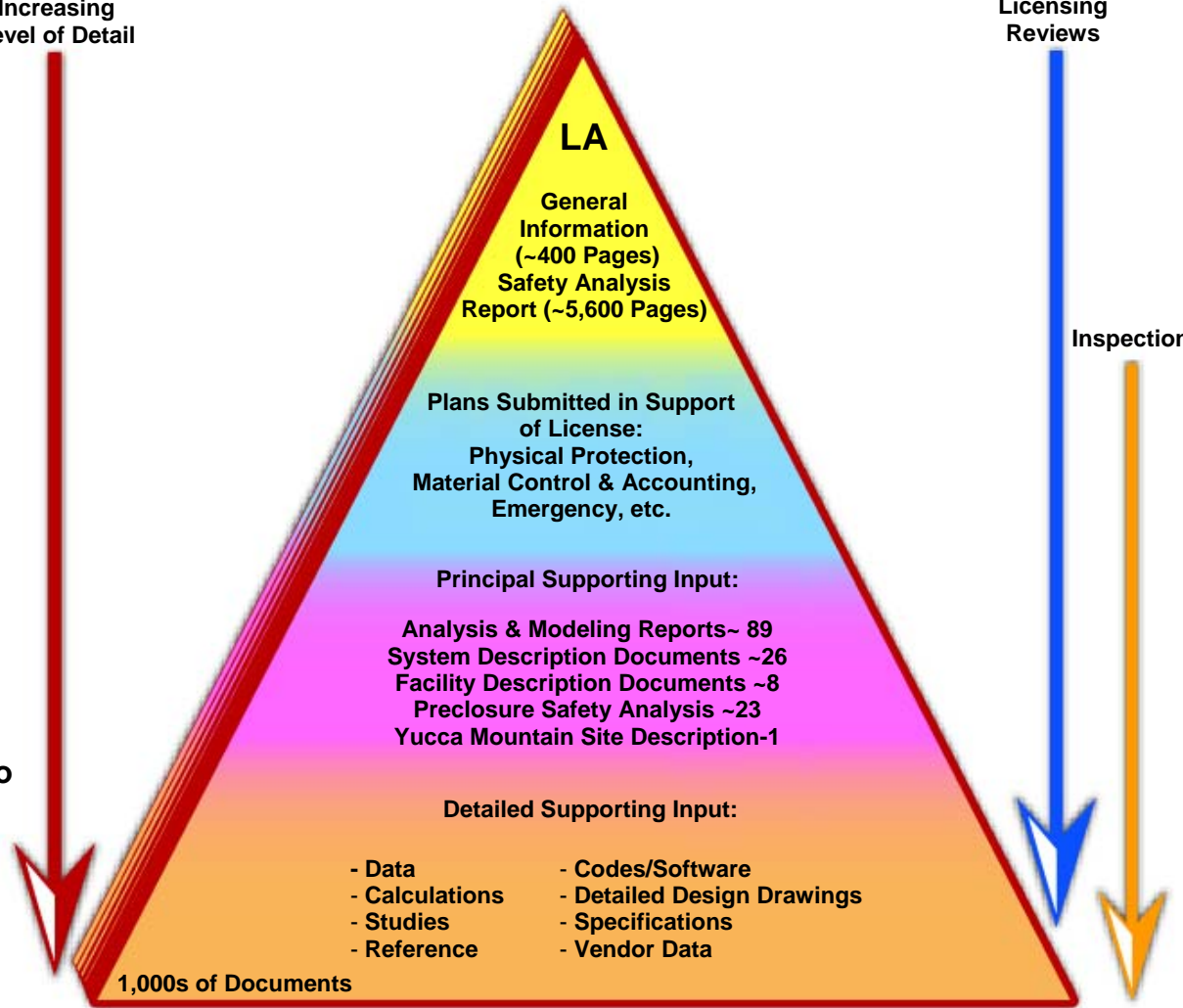
- **General Information (GI)**  
Approximately 400 pages

- General Description
- Proposed Schedules for Construction, Receipt and Emplacement of Waste
- Physical Protection Plan
- Material Control and Accounting Program
- Site Characterization

- **Safety Analysis Report (SAR)**  
Approximately 4,800 pages

- Repository Safety Before Permanent Closure
- Repository Safety After Permanent Closure
- Research and Development Program to Resolve Safety Questions
- Performance Confirmation Program
- Administrative and Programmatic Requirements

Increasing  
Level of Detail

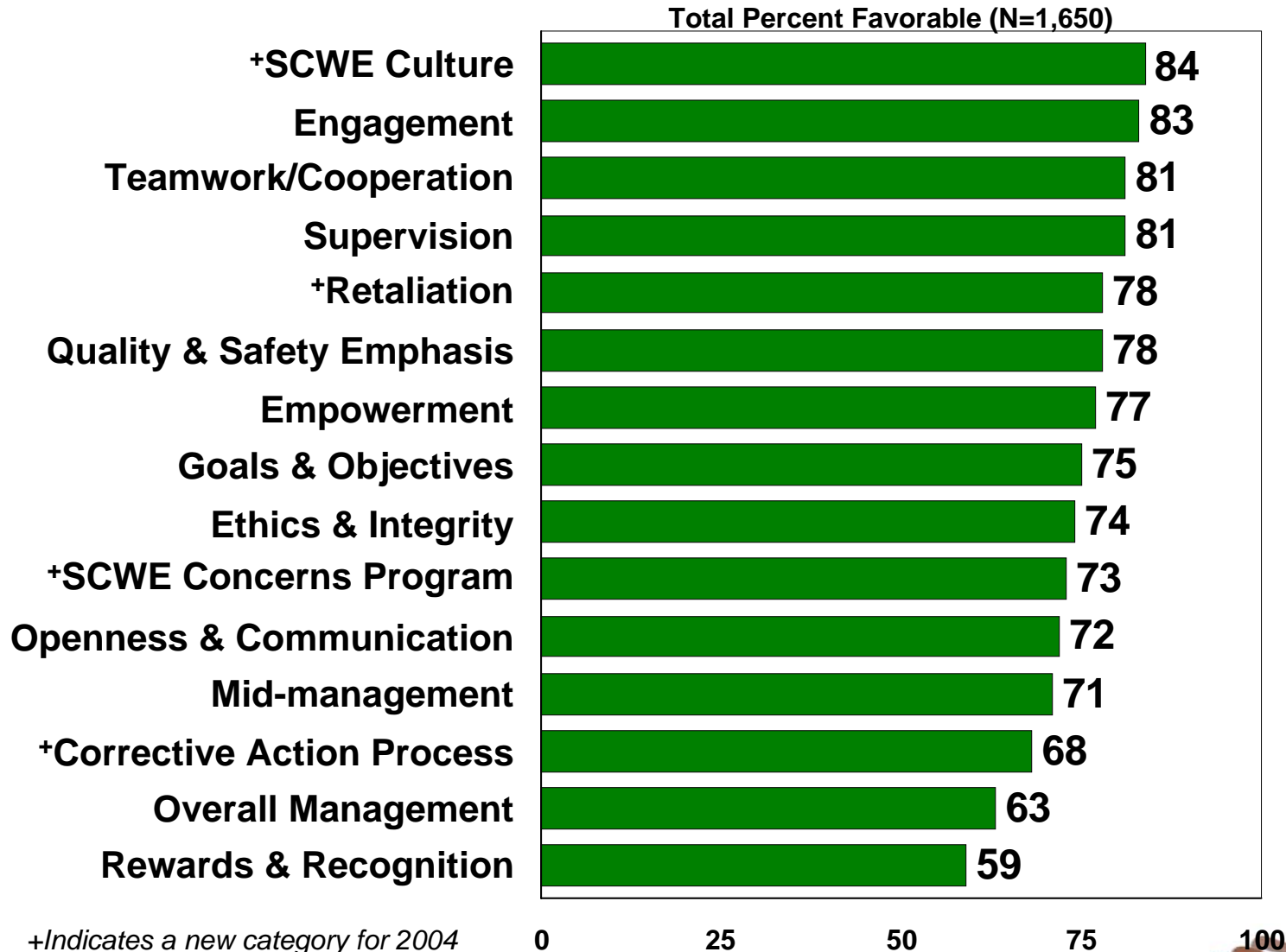


# 2004 Organization Climate and Safety Conscious Work Environment Survey

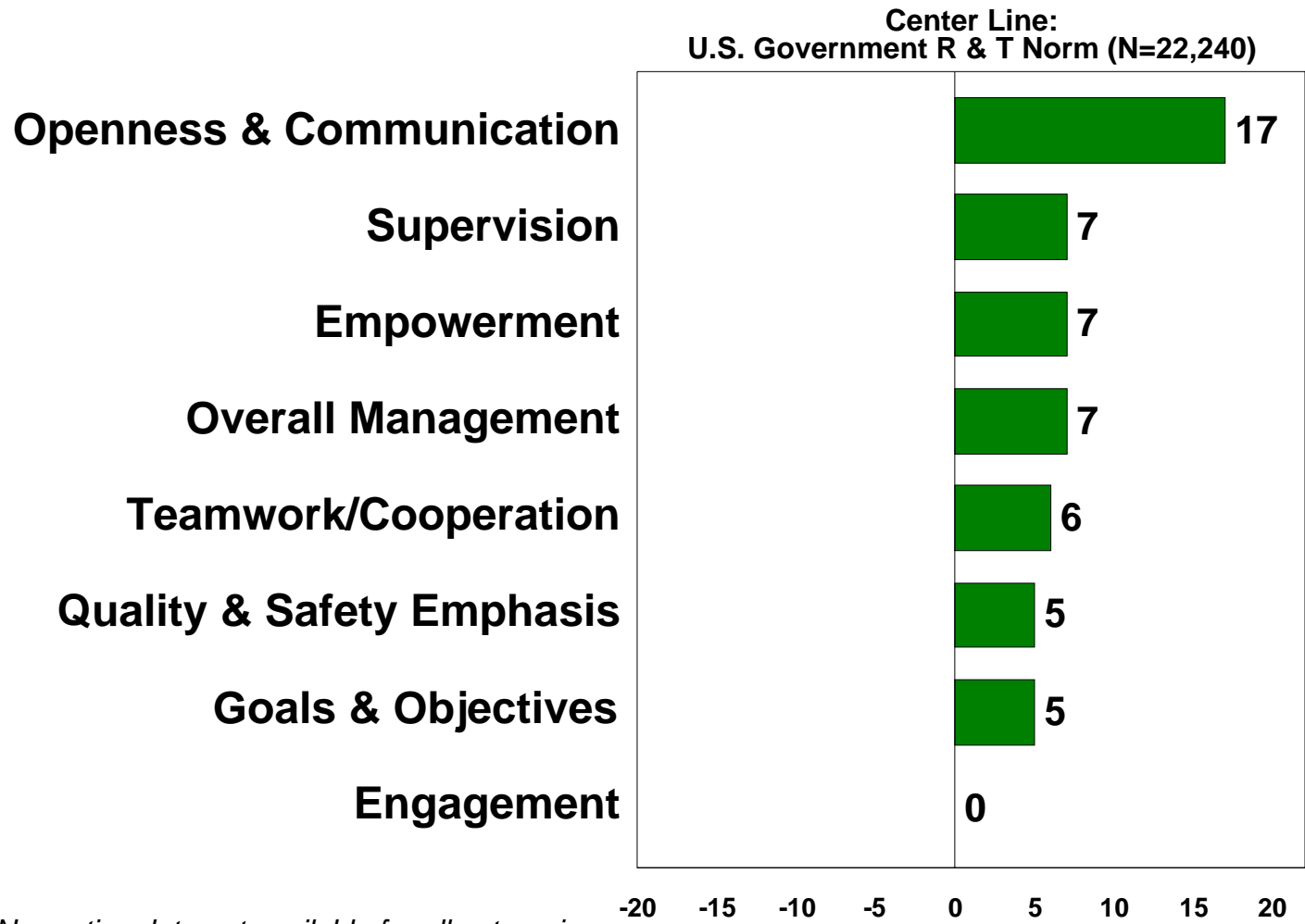
- **Second annual project-wide survey conducted by independent experts**
- **Anonymous process; 65% participation**
- **15 management and program categories**
- **Comparison made with U.S. National and U.S. Government R&T Norms, and last year's results**
- **Analysis of results now underway**



# YMP 2004 Overall Category Scores



# YMP 2004 Compared with U.S. Government Research & Technology Norm



*Normative data not available for all categories.  
Colored bars indicate a statistically significant difference.*



# Summary on Relationship Between License Application/Project Baseline and Science and Technology, Systems Engineering and Other Testing and Evaluation Programs

