CPUC Safety Management System En Banc

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Safety Is Part of SCE's Culture

- SCE's mission is to safely deliver reliable, clean and affordable energy to our customers

  – Safety is SCE's primary core value

- SCE's safety management system is aligned with national standards, and is built to ensure the safety of customers, the public, and the workforce, through:

  - Adherence to State and Federal regulations,

  - Implementation of multiple safety programs,

  - Provision of worker training,

  - Assessment and mitigation of hazards, and

  - Continual assessment of performance and culture

SCE's Approach is Based on National Standards

- American National Standards Institute (ANSI) and the American Society of Safety Engineers (ASSE) developed the first U.S. consensus standard for Occupational Health and Safety Management System (ANSI/ASSE Z10), from which SCE's safety management system is modeled

- ANSI/ASSE Z10 provides organizations an effective tool for continual improvement of occupational health and safety performance

- Includes 21 elements, which we have grouped into five general categories for today's discussion on how SCE operationalizes its safety management system:

1. **Management Leadership & Employee Participation**
2. **Planning**
3. **Implementation and Operation**
4. **Evaluation and Corrective Action**
5. **Management Review**

Operationalizing ANSI/ASSE Z10

1. **Management Leadership & Employee Participation** – Employees at all levels of the organization are able to contribute to creating a safe work environment

    -   Safety governance structure consists of councils and teams from officers to individual contributors, allowing employees to directly contribute to safety related decisions and design of safety programs

    -   Safety observation program, safety recognition programs, and safety training provide hands-on opportunities to continuously learn, recognize and mitigate hazards, and practice and acknowledge safe behaviors

    -   Craft-Driven Safety Program is a partnership between SCE and IBEW that provides a way for union employees to identify areas of safety-related concerns and help resolve potential issues

2. **Planning** –Safety-related risks are managed through processes designed to identify and mitigate risks, learn from incidents when they occur, and provide information on how to avoid reoccurrence:

    -   Enterprise Risk Management processes

    -   Cause evaluation processes

    -   Various training programs

Operationalizing ANSI/ASSE Z10 (Cont'd)

3. **Implementation and Operation** – Safety remains paramount while executing work, and is reinforced through improvements to work processes and frequent communications

    - Tools, technology, and work methods are reviewed and continuously improved, allowing us to design our work to best prevent and control hazards

        o   Work manuals are created with safety and worker review and input

        o   Tool and Chemical Teams understand and communicate best practices and risks of working with materials on-site

    - Workers provided tools (e.g., pre-job briefing, job hazards analysis) to identify and mitigate hazards prior to and while performing work, including authorization and responsibility to stop work when hazards cannot be immediately mitigated

    - Regular communications are provided about the status of the safety program, and opportunities are available for employees to make recommendations for improvements

Operationalizing ANSI/ASSE Z10 (Cont'd)

4. **Evaluation and Corrective Action** – Data gathering and analysis allows us to understand trends and modify processes and practices to mitigate safety risks

   - Evaluate safety-related data (e.g., close calls, safety observations, and incident data) to identify causal factors, address policy non-conformances, and expedite action on high risk hazards

5. **Management Review** – Leader visibility to safety trends, improvements, and initiatives provides the strategic lens necessary for overseeing safety at SCE

   - Regular executive review of safety performance indicators, significant incidents and corrective actions

   - Review safety management system to recommend improvements that ensure continued suitability, adequacy, and effectiveness

   - Enterprise-wide safety culture assessments and development of action plans for continual cultural improvement

Aligning SCE's safety management system with CPUC's 12 Pillars of Safety

Element	SCE Activity
Leadership	Safety Governance Structure, including the Executive Safety Council
Risk Management	Enterprise Risk Management team and corresponding processes
Quality Assurance	Quality Control and Assurance and Inspection Processes, Internal Audits, Safety Standard/Program Assessment Processes
Training	Regular safety training for all employees
Stakeholder Engagement	Employee involvement in safety processes via congresses and safety teams. Participation in external safety organizations and benchmarking (e.g., National Safety Council and Edison Electric Institute)
Operational Controls	Operational Inspection and Maintenance Processes; Operational Standards and Work Methods; Safety Standards/Programs/Manuals
Investigations/Root Cause Analysis	Cause evaluation processes, EHSync Investigation Processes, WICC Discussions, Audit Services Functions
Management of Change	HR Organizational Change Management Processes, Safety Culture Assessments and Transformation Efforts
Safety Culture	Safety as first core value for company, Safety Culture Assessment and Transformation Efforts, Observation and Recognition Programs
Safety Assurance	Safety Standard and Program Assessment Processes, Quality Assurance, Compliance Management Programs, Regular Safety Metric Monitoring
Documentation	Accident Prevention Manual, Safety Standards, Programs, Manuals
Management Review	Safety Governance Structure, Enterprise Risk Assessment