

EPRI Transmission and Substations Roadmap & Future States

Kevin Berent

Program Manager, Transmission &
Substations

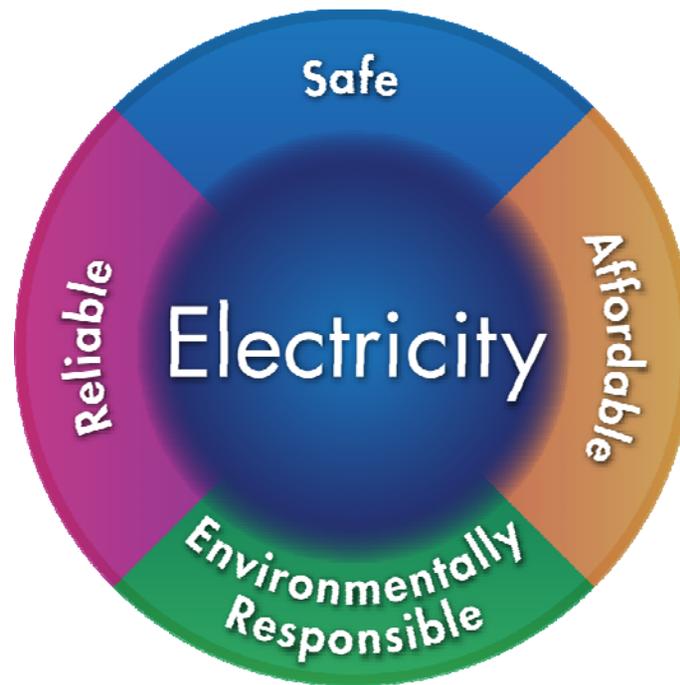
Pittsburg, PA

August 17-18, 2016



EPRI's Mission

Advancing **safe, reliable, affordable** and **environmentally responsible** electricity for society through global collaboration, thought leadership and science & technology innovation



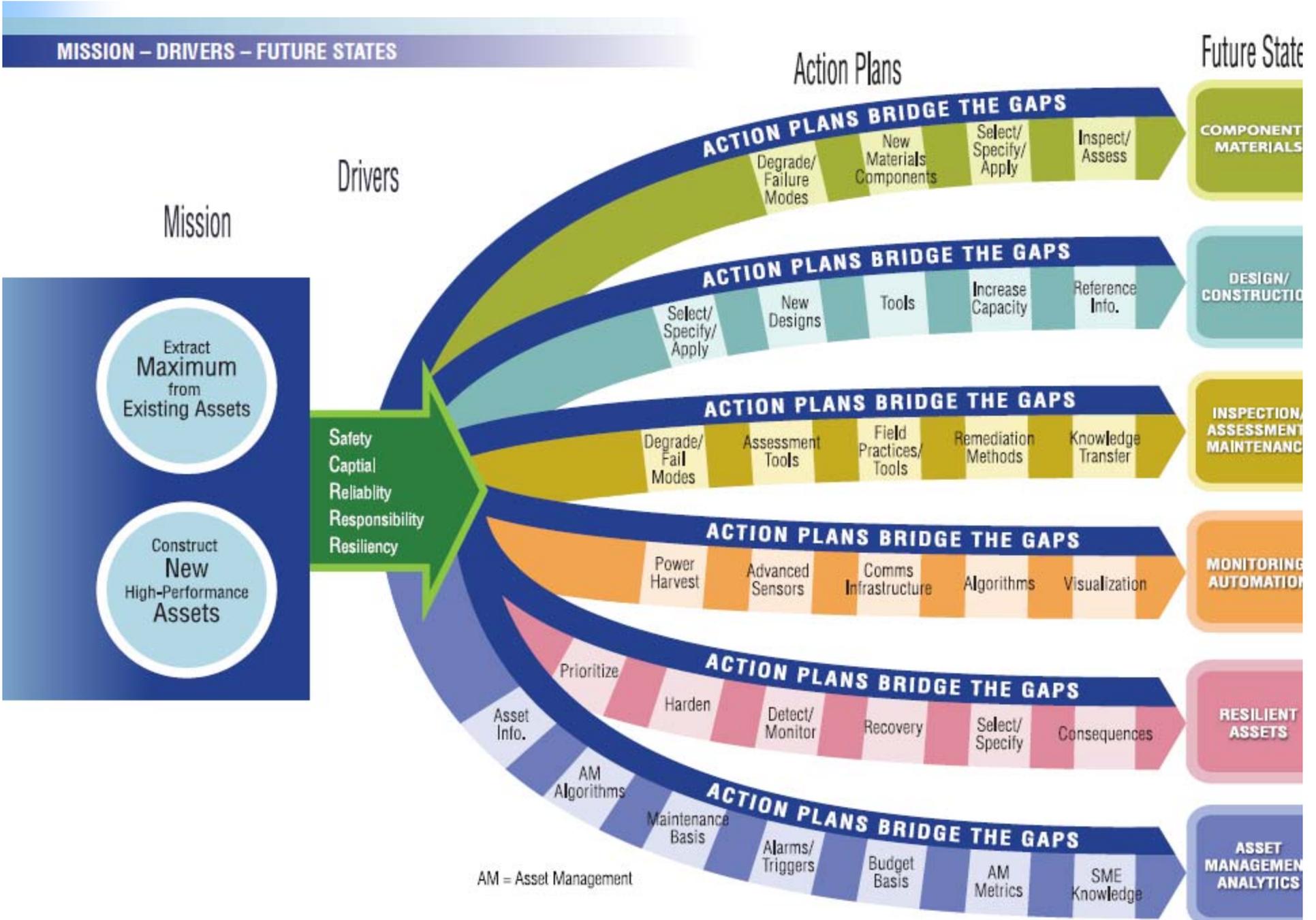
Components of the T&S Roadmap

- **Mission**: *What are the Transmission Owners' objectives?*
- **Drivers**: *What is important when executing this Mission?*
- **Future States**: *Vision in 15-20 years to meet the Mission*
- **Gaps**: *What needs to be achieved for the Future States?*
- **Action Plans**: *What do we need to do to fill the Gaps?*

Transmission
Executive

T&S Advisory

Task
Forces



**Understand
Degradation
& Failure
Modes**

**Develop New
Materials &
Components**

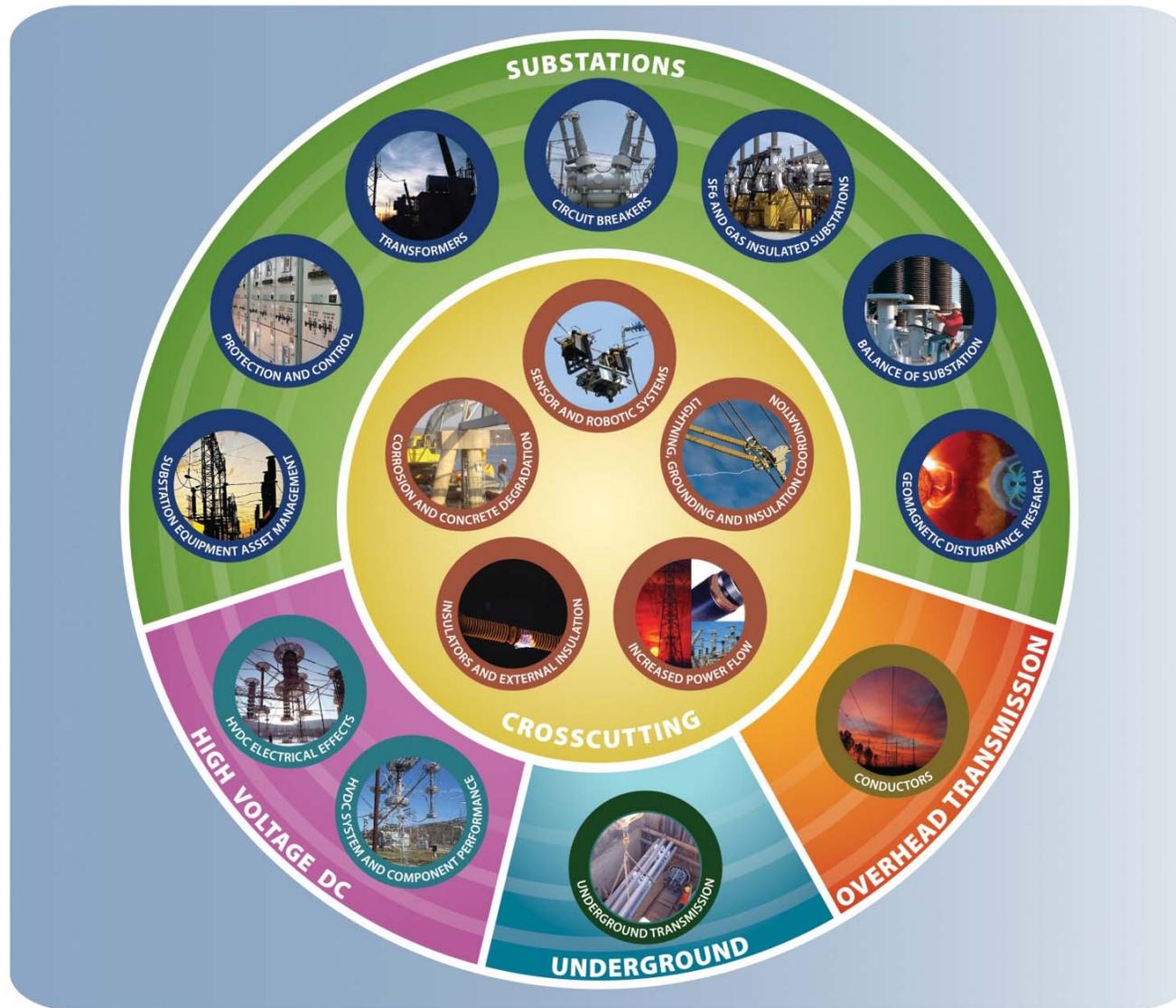
**NEW
Components
and
Materials**

**Effective
Selection,
Specification
& Application**

**Effective
Inspection &
Remediation**

APPLY NEW MATERIALS & COMPONENTS WITH CONFIDENCE

Action Plans to Address Gaps: By Issue



Together...Shaping the Future of Electricity