

Advancing Pipeline Safety

Pipeline & Hazardous Materials Safety Administration
Gas Pipeline Advisory Committee Meeting
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Representing INGAA

Guiding Principles



Action Plan

1. Apply Risk Management beyond High Consequence Areas (HCAs)

2. Raise the Standards for Corrosion Anomaly Management

3. Demonstrate Fitness for Service on Pre-Regulation Pipelines

4. Shorten Pipeline Isolation and Response Time to 1 Hour

5. Improve Integrity Management Communication and Data

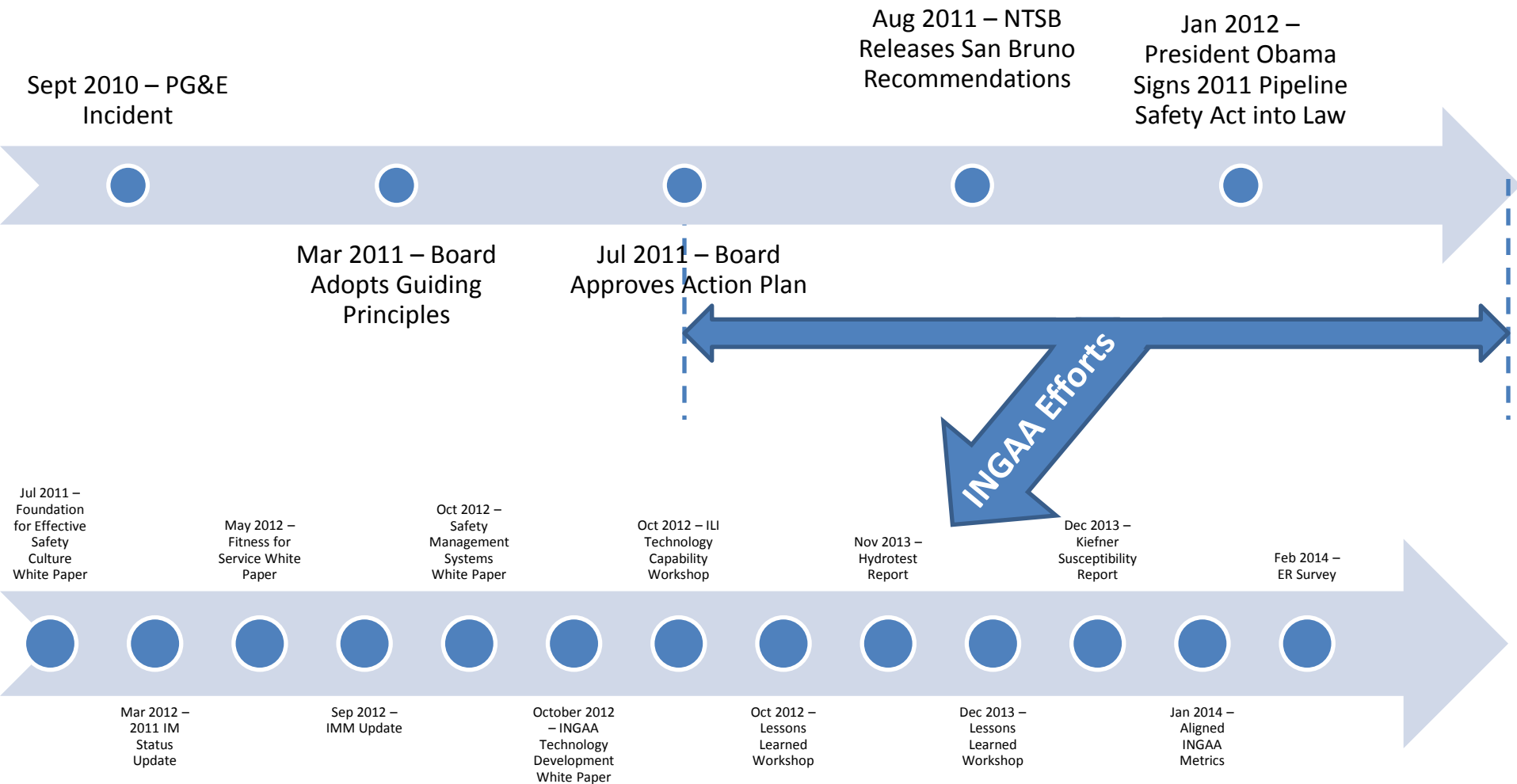
6. Implement the Pipelines and Informed Planning Alliance (PIPA) Guidance

7. Evaluate, Refine and Improve Threat Assessment and Mitigation

8. Implement Management Systems across INGAA Members

9. Provide Forums for Stakeholder Engagement and Emergency Officials

Major Events & INGAA Action



History of industry focus and commitment – IMP 1.0 formalized in late 1990's, IMP 2.0 development already underway – accelerated in 2010 and beyond

Commitments

Pipeline Safety Act Mandates

Testing Previously Untested Lines

Auto/Remote Valve on new or replaced

Extend IM beyond HCAs

All HCAs Regardless of Operating Pressure

1 Hour Isolation

90% of Affected Population

INGAA Commitments (by 2020)

INGAA Efforts

Incident Mitigation and Management

Improve & Expanded Integrity Management

Safety Mgt. Systems

Performance Metrics

Lessons Learned Wkshp

Stakeholder Engagement

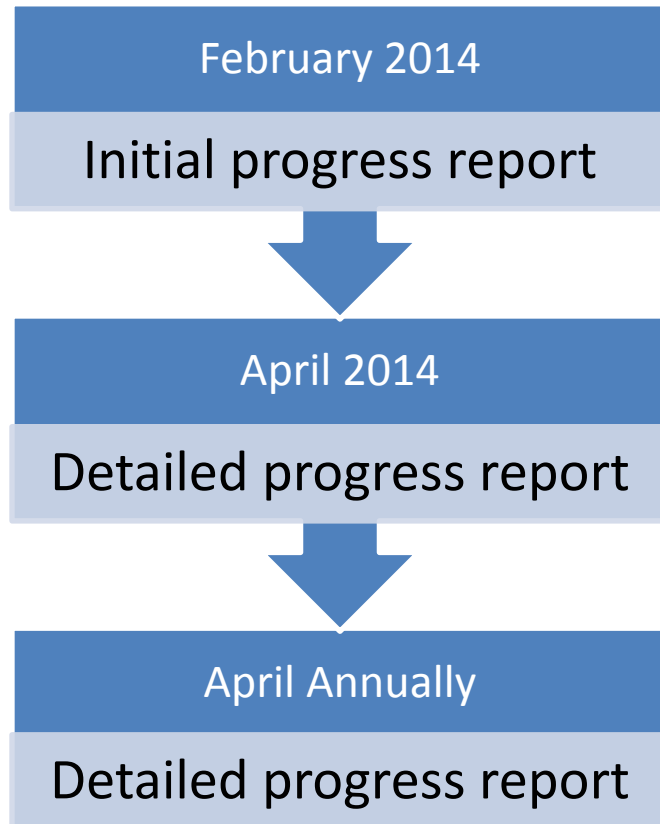
Focus and Progress

- Aggressive pursuit of the INGAA Action Plan
- Open, transparent, and engaged with all stakeholders
- Sound technical approaches established to address each key area
 - Fitness for Service
 - Anomaly Response Criteria
 - Integrity Management Extension
 - Safety Management Systems
- Regulatory process lags, but we can align on achieving the right outcome – the common goal

Implementing the initiatives – goal to align and converge with future regulations

Performance Metrics

Schedule



3 Key Metrics

Verifying MAOP

- INGAA members have been aggressively verifying records and confirming MAOP

Pipeline Isolation in 1 hour

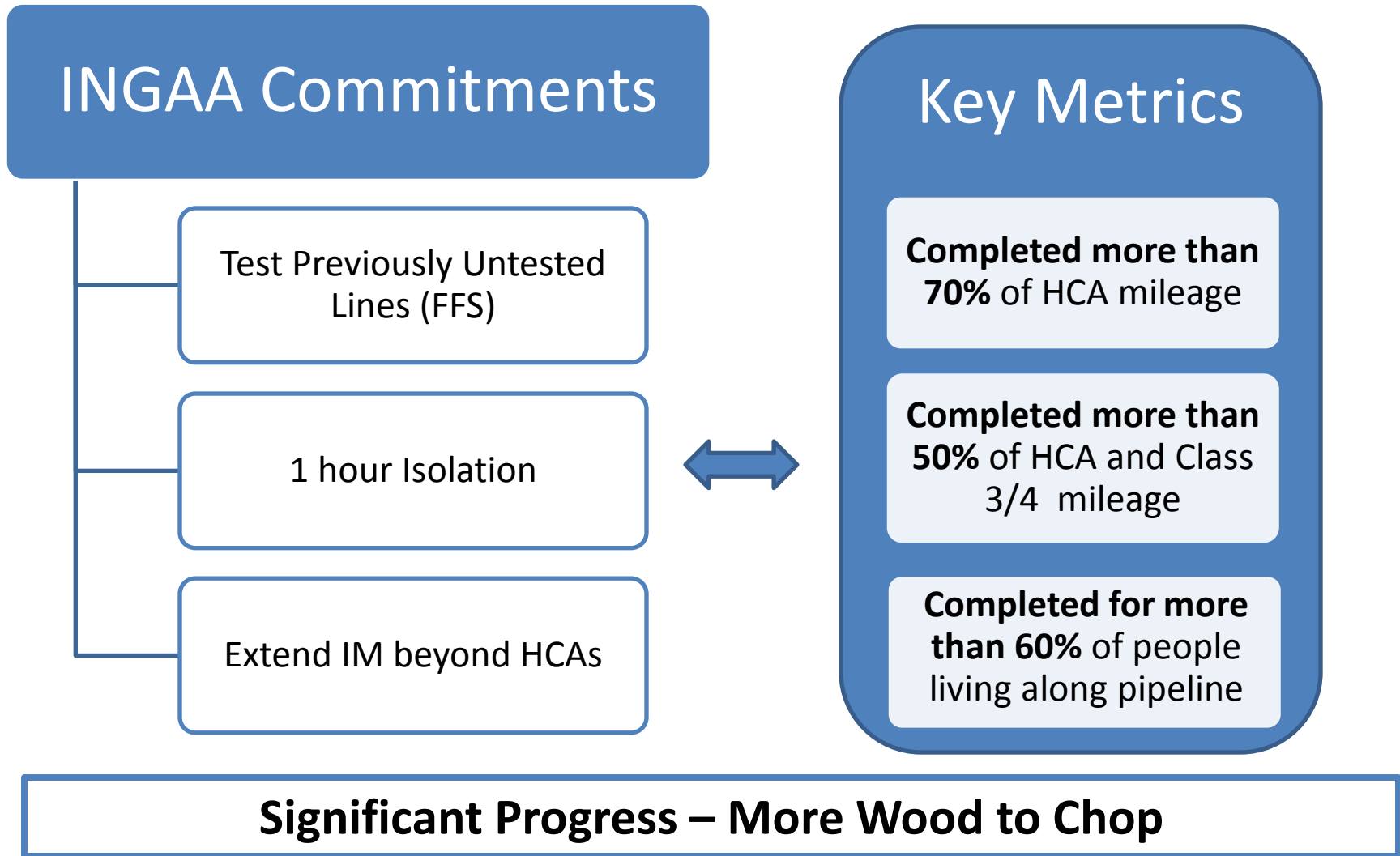
- INGAA has committed to implement system enhancements to more rapidly isolate pipeline segments

Extending Integrity Management

- INGAA has committed to actions that will extend integrity management to cover all people living along pipelines

INGAA members are reporting progress against numerous metrics – transparency and communication is a focus

Progress Toward Commitments (Examples)



Summary and Path Forward

- INGAA is committed to zero incidents and the actions required to achieve goal
 - Marathon, not a sprint
 - Industry and PHMSA should align despite regulatory lag
 - Transparency and communication is important
- Successful path forward requires trust and collaboration
 - Continue to implement the INGAA commitments
 - Elevate culture through Safety Management Systems
 - Industry / regulatory communication to maintain alignment
 - Converge regulations to complement and enhance ongoing efforts

Ongoing commitment to a shared goal of zero incidents