



10-Year Assessment Summary

ATC Customer Meeting
November 19, 2009





Presentation Topics

- 2009 Assessment Summary
- ATC Energy Collaborative – MI Status
- 2010 Assessment Status



2009 TYA Key Messages

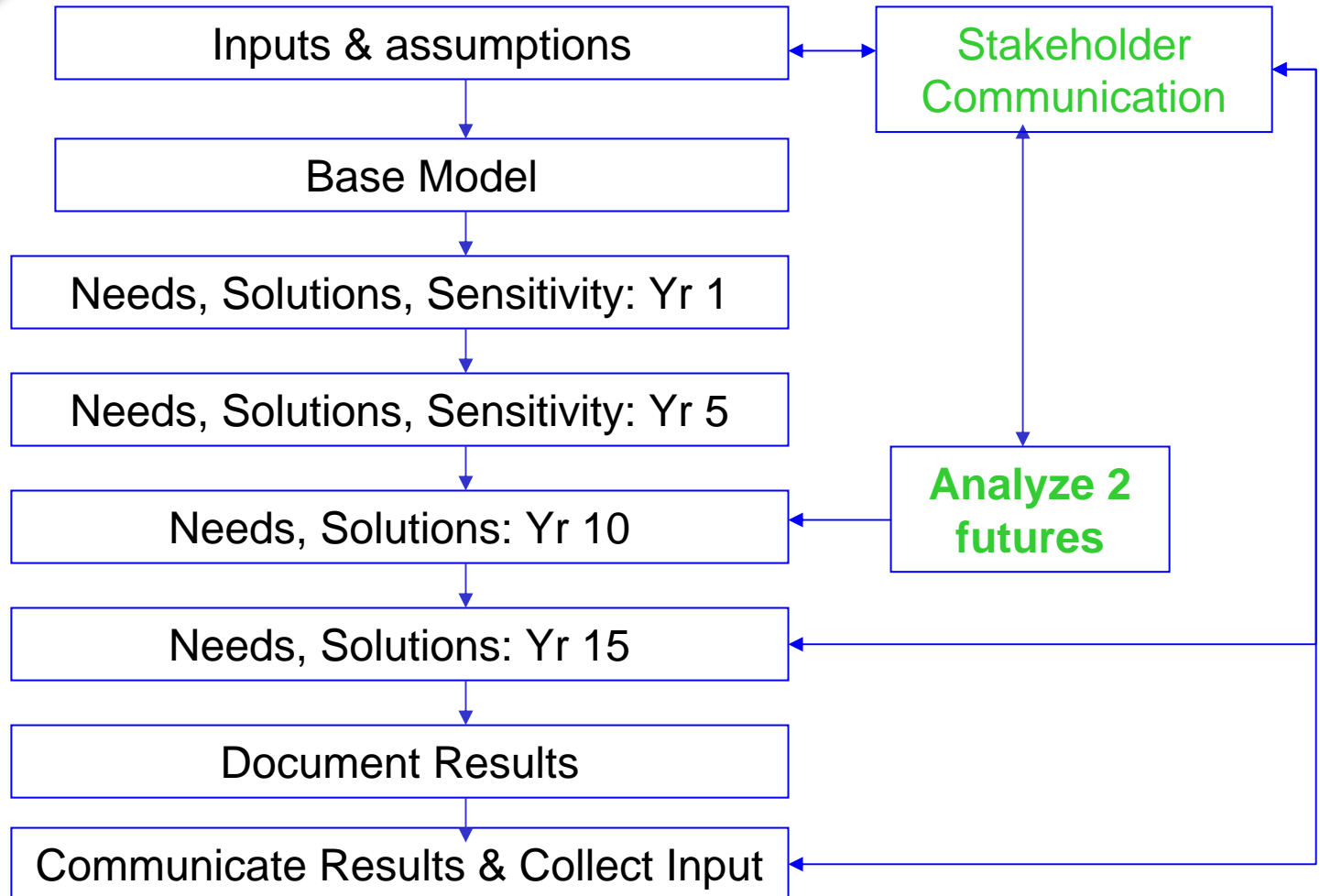
- Planning for a reliable future
- Regional planning participation
- Integrating renewables
- Engaging public in planning process
- Asset renewal
- Environmental stewardship



Multiple Need Drivers

- Safety
- Performance/condition
- Traditional reliability analysis – load and generation impacts
- Economic benefits
- Access
- Regional initiatives
- Mandatory NERC standards

Enhanced Assessment

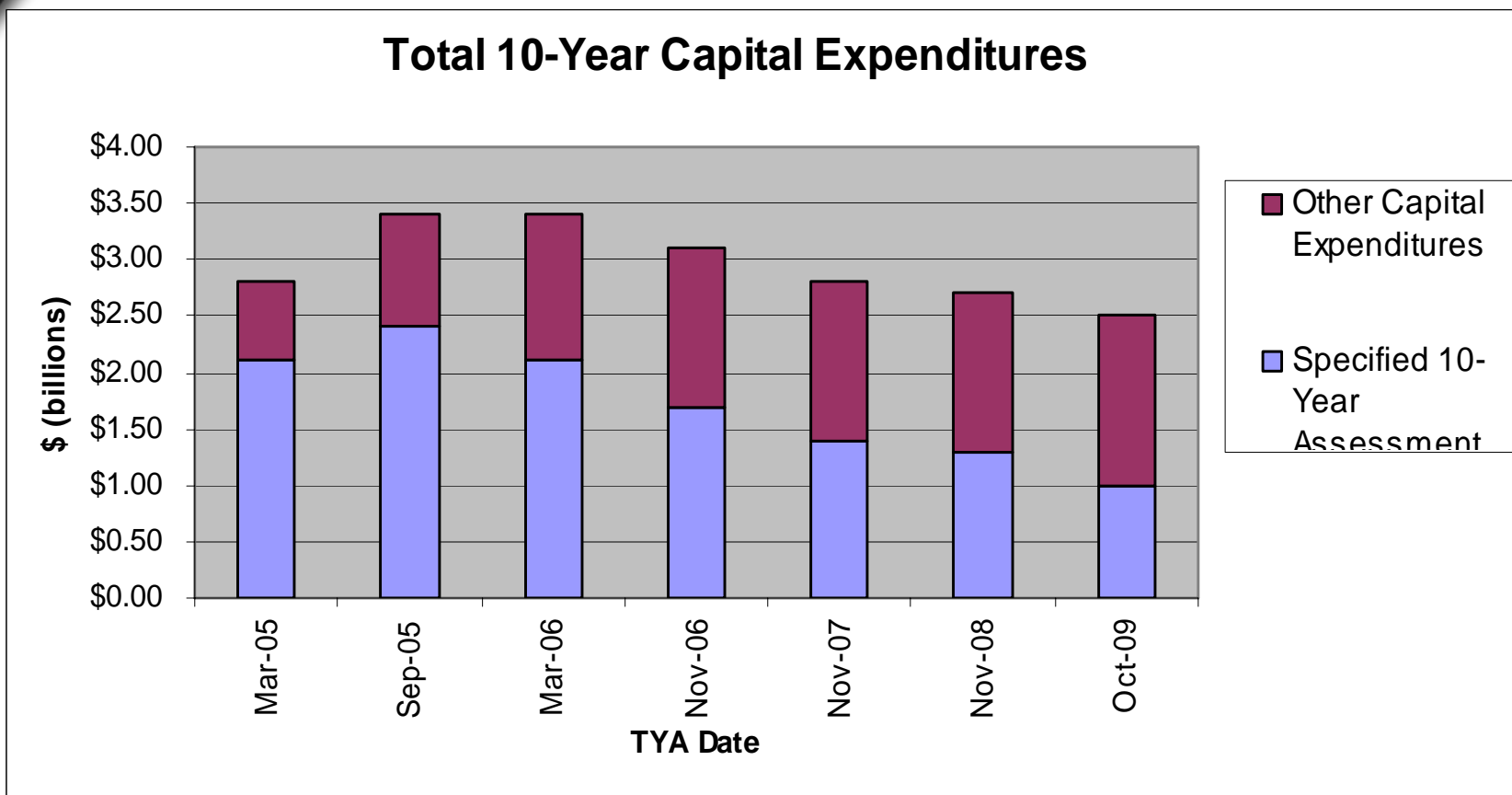


TYA Estimated Capital Costs

Category	2008 10-year capital estimate in billions	2009 10-year capital estimate in billions
10-Year Assessment projects	\$1.30	\$0.97
Asset Maintenance	\$0.46	\$0.70
Generator interconnections	\$0.29	\$0.17
Distribution interconnections	\$0.16	\$0.17
Asset Protection & Control	\$0.08	\$0.07
Network	\$0.10	\$0.09
Unspecified network projects	\$0.23	\$0.26
Other *	\$0.09	\$0.11
Total expenditures	\$2.71	\$2.54

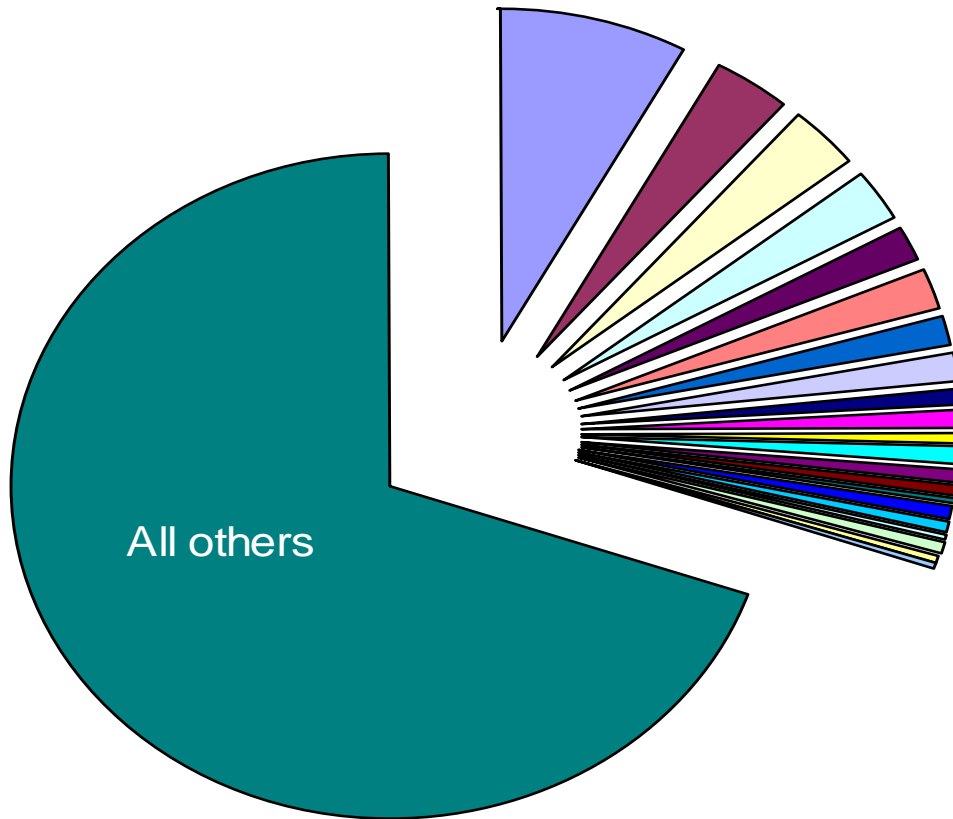


TYA Capital Expenditures



Top 20 2009 TYA Projects

Top 20 Capital Projects 2009-2018



- Construct 345-kV line from Rockdale to West Middleton
- Paddock-Rockdale 345-kV line
- Spring Valley-Twin Lakes-South Lake Geneva 138-kV line
- West Middleton-Blount 138-kV line
- Construct Morgan-Werner West 345-kV line
- Cranberry-Conover-Iron River-Plains project
- Rebuild/convert Straits-Pine River 138-kV lines 6904/5
- Construct Monroe County-Council Creek 161-kV line
- Construct tap from Kinross load to Pine River/Nine Mile 69-kV line
- Rebuild Arpin-Rocky Run 345-kV line
- Construct a Jefferson-Stony Brook 138-kV line
- Construct 138-kV line from Canal to Dunn Road
- Construct new 138-kV line from North Lake Geneva to South Lake Geneva Substation
- Construct a Horicon-East Beaver Dam 138-kV line

A photograph of a control room with several people working at desks with multiple computer monitors. The screens display various data and maps. A large red and black curved graphic element is overlaid on the left side of the slide.

Futures Summary

- Needs relative to Expected Future
- Generally Slow growth improved
- Generation redispatch aggravates some conditions for both futures, especially Wind
- Wind impact may be unreasonably limited by assumptions
- Consider results in project development

2009 Assessment

Visit the web site:

<http://www.atc10yearplan.com>

View following link for the a
summary of the 2009 Assessment:

http://www.atc10yearplan.com/documents/TYA-09_000.pdf



Collaborative – MI Status

- Futures developed w/Stakeholders
- Need Drivers w/ Stakeholder input
- Preliminary solutions w/ Stakeholder Input
- Core solutions Proposed
- Communicate Core and Contingent solutions



Collaborative Core Solutions *East*

- Uprate Straits-McGulpin
- Rebuild Pine River-Straits lines
- Uprate Pine River-9 Mile lines, asset renewal
- 9 Mile-ESE Hydro asset renewal
- Power Flow control at Straits
- Energize 2nd Indian Lake-Hiawatha line



Collaborative Core Solutions *Escanaba Area*

- Uprate the Escanaba area 69-kV lines
- Chandler more 138/69-kV transformer capacity
- Arnold add 345/138-kV transformer
- Extend the 138-kV system into major load areas
- New Escanaba 69-kV substation
- Uprate Delta-Escanaba 69-kV lines
- Minimum Asset Renewal Projects



Collaborative Core Solutions

Munising/Newberry

- New Gwinn-Forsyth 69-kV line
- Uprate entire Munising-Seney-Blaney Park 69-kV line
- Minimum Asset Renewal Projects on several area lines



Collaborative Core Solutions *West*

- Uprate M38-Atlantic 69-kV line
- Minimum Asset Renewal Projects



Collaborative Summary

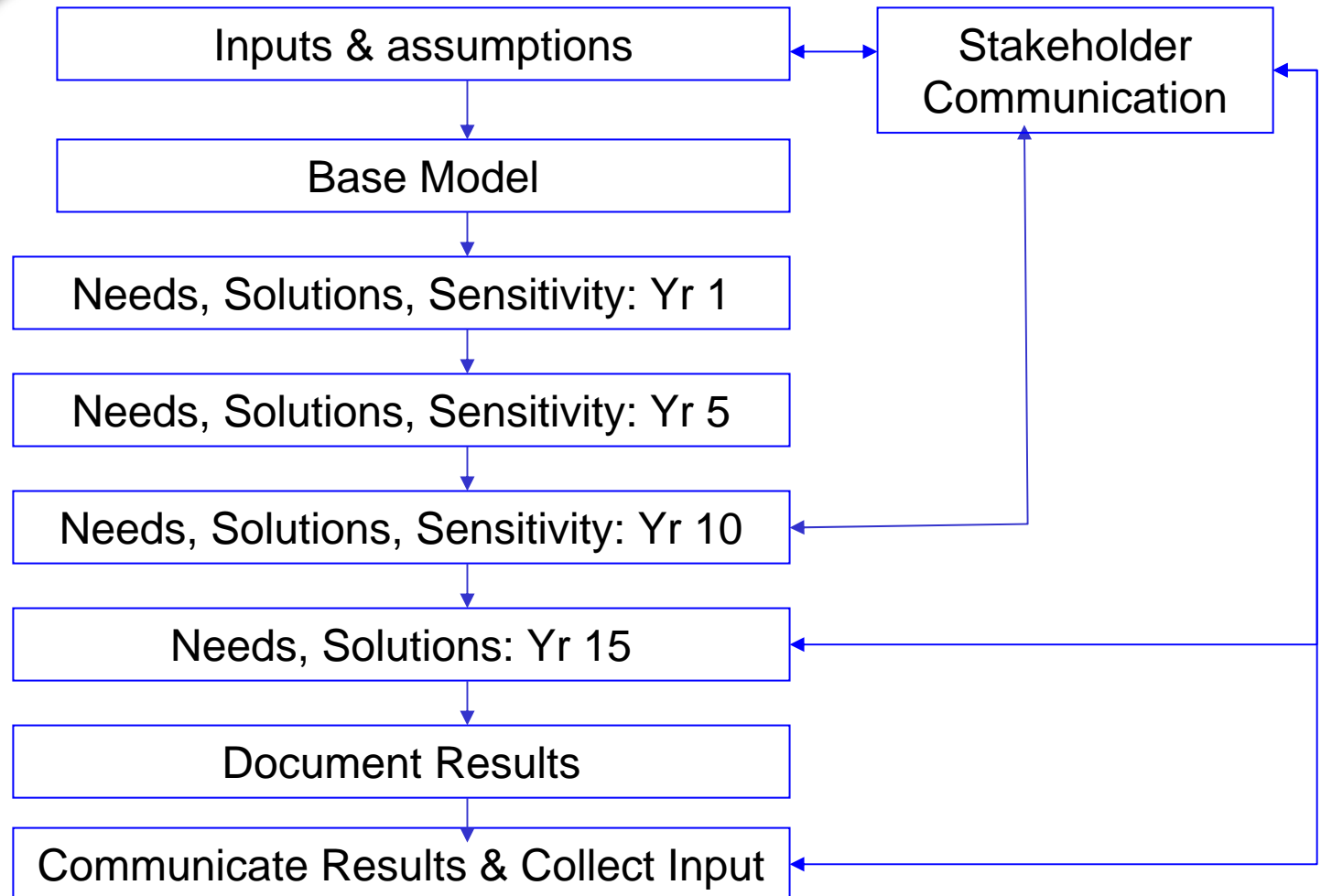
See the following link on the 10-Year Assessment web site for more details on the Collaborative results

<http://www.atc10yearplan.com/UP.shtml>

2010 Assessment

- Study Design
- Schedule

2010 Assessment Process





2010 Schedule

- Study Plan – Drafted
- Expected Load Forecast – Done
- Stakeholder Assumptions Mtg – Done
- Model Development – In Progress
- Preliminary Needs – 1st Qtr 2010
- Stakeholder Needs Mtg – 1st Qtr 2010
- Preliminary Results – 2nd Qtr 2010
- Stakeholder Solutions Mtg – 2nd Qtr 2010
- Document and Publish – 3rd Qtr 2010

Summary

- 2009 Assessment Summary

<http://www.atc10yearplan.com>

http://www.atc10yearplan.com/documents/TYA-09_000.pdf

- Collaborative Status

<http://www.atc10yearplan.com/UP.shtml>

- 2010 Assessment Status

More emphasis in existing wind and light load concerns

Participate in RGOS, etc - future renewables projects



Questions



David Smith

dsmith@atcllc.com

920-338-6537