

# FORMAL SCOPE CHALLENGE

Developed by:

**TOADFLY**  
TECHNOLOGIES  
Industrial Software Solutions

## Stop guessing. Determine the right scope for your Event.

Toadfly uses patented software to help select the scope that would best satisfy your “key drivers” and at the same time determine risk calculation on selected scope items.

How does the Formal Scope Challenge software work as a service?

A senior TA consultant will come on site and perform formal scope challenges with your team to help determine the “right” scope for your upcoming Event. This senior consultant will coordinate the session along with your management team, operations, mechanical integrity, and reliability leaders. This process/service will help to ensure that your Turnaround is not only predictable, but also competitive.

### The 3x3 Matrix System

PLANT OUTAGE – Plant Wide Outage

SYSTEM OUTAGE- Unit Outage

EQUIPMENT OUTAGE – Isolated Equipment Outage

MUST DO – Required by Law, code /policy.

SHOULD DO – Requires an outage, reliability risk.

COULD DO – Opportunity work.

HIGH- Imminent Failure

MEDIUM- Reliability risk of making next interval

LOW- Minimum possibility of failure

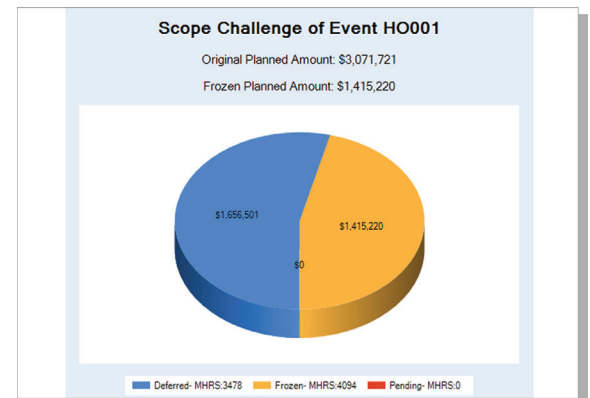
SEVERE- Plant Down

MODERTE- Reduce Rate

SLIGHT- Operational Flexibility

Work Order	Scope Description	Planned MHS	Planned Amount	Risk Rank	Frozen	Deferred	#
0001204	BLND / Open / Inspect / Repair / Close (7.20M BTU/HR)	633	\$20,300.00				1
0001209	CHANGE HEATER						2
0001210	CHANGE HEATER						3
0001211	BLND / Open / Inspect / Repair / Close (7.20M BTU/HR)	500	\$76,000.00				4
0001212	BLND / Open / Inspect / Repair / Close (7.20M BTU/HR)	600	\$28,000.00				5
0001213	BLND / Open / Inspect / Repair / Close (7.20M BTU/HR)	300	\$76,000.00				6
0001214	BLND / Open / Inspect / Repair / Close (7.20M BTU/HR)	912	\$93,200.00				7
0001215	CHANGE HEATER						8
0001216	CHANGE HEATER						9
0001217	CHANGE HEATER						10
0001218	BLND / Open / Inspect / Repair / Close (7.20M BTU/HR)	633	\$33,300.00				11
0001219	CHANGE HEATER						12
0001220	CHANGE HEATER						13
0001221	BLND / Open / Inspect / Repair / Close (7.20M BTU/HR)	100	\$13,000.00				14
0001222	CHANGE HEATER						15
0001223	CHANGE HEATER						16
0001224	BLND / Open / Inspect / Repair / Close (7.20M BTU/HR)	510	\$140,000.00				17
0001225	CHANGE HEATER						18
0001226	CHANGE HEATER						19
0001227	BLND / Open / Inspect / Repair / Close (7.20M BTU/HR)	790	\$230,000.00				20
0001228	CHANGE HEATER						21
0001229	CHANGE HEATER						22
0001230	BLND / Open / Inspect / Repair / Close (7.20M BTU/HR)	1,140	\$200,000.00				23
0001231	CHANGE HEATER						24
0001232	CHANGE HEATER						25
0001233	BLND / Open / Inspect / Repair / Close (7.20M BTU/HR)	912	\$112,000.00				26
0001234	CHANGE HEATER						27
0001235	CHANGE HEATER						28
0001236	BLND / Open / Inspect / Repair / Close (7.20M BTU/HR)	790	\$110,000.00				29
0001237	CHANGE HEATER						30
0001238	CHANGE HEATER						31
0001239	BLND / Open / Inspect / Repair / Close (7.20M BTU/HR)	1,020	\$112,000.00				32
0001240	CHANGE HEATER						33
			\$1,415,220.00				
			\$1,415,220.00				
			\$1,696,501.00				

Expanded Work Orders Screen



Scope Challenge Chart for selected Event

## FEATURES

- ▶ Determine risk on scope items
- ▶ Coordination with senior TA consultant throughout the entire process
- ▶ 3X3 Matrix System for maximum predictability