LIFE CYCLE® INSTITUTE

PREDICTIVE MAINTENANCE PROGRAM
METRIC TYPES AND BEST PRACTICES

Referring to the specific program priorities and performance targets for your organization, click each category that reflects your selected metrics.

Program Performance is the measure of the results of **actions taken** as part of the PdM program

- number of critical, moderate, minor faults discovered
- corrective work orders issued from a 'PdM find'
- PdM route completion
- assets with CBM in place
- enhanced safety from fewer maintenance tasks performed

Program Effectiveness reports on the **asset performance** results of a PdM program

- overall equipment effectiveness (OEE)
- mean time between failure (MBTF)
- equipment uptime
- unscheduled downtime
- asset utilization (AU)

Financial metrics that track **cost savings**

- reduced downtime
- reduced spare parts inventory
- reduced maintenance costs
  - unplanned repairs
  - labor costs
  - replacement costs
- increased productivity

Financial metrics that track **cost avoidance** (subtracting the actual cost v. the costs incurred without the PdM program in place)

- avoided lost production
- avoided parts/materials
- avoided labor costs
- avoidance of lost opportunities
- value of failures avoided by acting on PdM finds

- Collect baseline data (initial starting data), such as 3-, 6-, 12- month history

- Establish challenging but achievable targets for selected metrics

- Determine initial data-collection interval and analytics reporting cycles

- Plan for regular and timely data analysis & action planning to leverage data used for decision making against risks of acting prematurely

- Prepare to communicate and act on the findings; course-correct practices as needed