

# 5 Ways to Overcome Fatigue Management at the Point of Scheduling in Oil & Gas

Guide



# WHAT IS FATIGUE?

Fatigue can be defined as a lack of mental clarity or lethargy brought on by a sleep deficit. It excludes the impacts of exertion, heat exposure, stress, and other elements.

When someone is fatigued, they are more likely to make mistakes, take risks, and have slower reaction times in unexpected or emergency situations.

And, in order for organizations to stay competitive in this digital world, it is crucial to overcome fatigue -- It's better to be first than better, which means you have to be able to do things quickly.



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# FATIGUE MANAGEMENT



Due to its global operations and its distinct features, the oil and gas industry often struggles with fatigue. Scheduling is one area that can be improved upon to decrease fatigue in oil and gas industries.

Are you spending hours each week ensuring your schedule adheres to NRC or RP755-mandated fatigue management rules? Indeavor aims to promote safety, save time, and save money to help organizations achieve their goals.



# #01 COMPLIANCE

Compliance is an important aspect of understanding fatigue management in oil & gas. It's important to adhere to the RP 755 V2 Fatigue Management Rule. A voluntary industry consensus committee that includes labor, national trade associations, industry owners/operators, and industry engineers convened to advance and update Recommended Practice 755.

755 provides guidance to employees, managers, and supervisors on understanding, recognizing, and managing fatigue in the workplace. Additionally, RP 755 also outlines how owners and operators should establish policies and procedures to address these issues in the workplace.





# #01

CONTINUED

## Key points in 755:

- Protects the public, employees, contractors, and environment
- Leads in convening subject matter experts
- Clarifies and condenses requirements to prevent worker fatigue
  - Limits to Hours of Service
  - New Guidance on the Work Environment
  - Individual Risk Assessment and Mitigation
  - “Should” vs. “Shall”

Often companies have disparate systems for scheduling and fatigue management leading to duplicate entries and associated manual errors. Manage fatigue at the point of scheduling with an automated tool to ensure compliance.



# SAFETY

# #02



Workers in oil and gas typically have long shifts with high physical and mental demands. This leads to greater rates of fatigue than average workers.

**Fatigued workers are 70% more likely to be involved in industrial accidents than alert, well-rested individuals.**

Indeavor's labor optimization solution provides the visibility to schedule qualified labor in accordance with fatigue and compliance rules.



# #03

## LABOR SHORTAGE



Available labor is an issue across the globe. Essential and remote labor persisted during the pandemic, whereas positions requiring in-person engagement widely disappeared.

The few industries that were actively hiring saw a surge of applications from the unemployed, many of whom also changed their professions and industries.

Now that in-person services have resumed, American manufacturing stands out as a strength in a faltering economy.

U.S. oil and gas employment is set to expand by 12.5 % this year, rising from around **863,000 to 971,000 total jobs**.



# #03

CONTINUED



Employers are actively trying to find a solution to employee attrition, the natural process by which employees leave the workforce, one of the main challenges oil and gas companies are facing.

New talent strategies will need to be utilized in order to bridge the employment gap. To work smarter, attract new talent, and become more agile, the oil and gas industry needs a great People Operations Software.

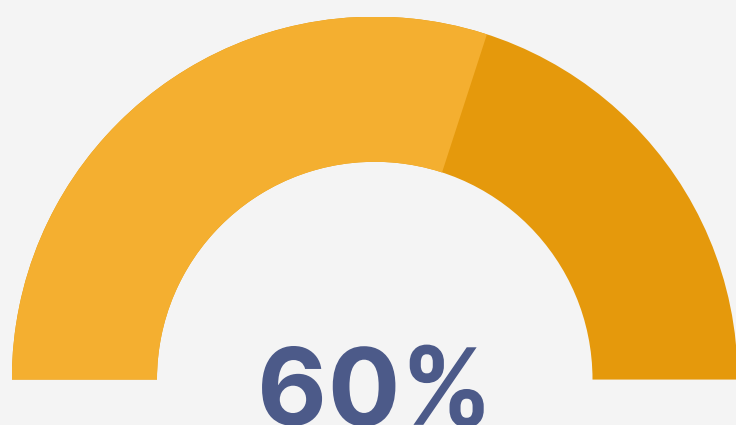
Indeavor provides employees with modern tools for improved work-life balance. As well as the ability to have control of their schedule.



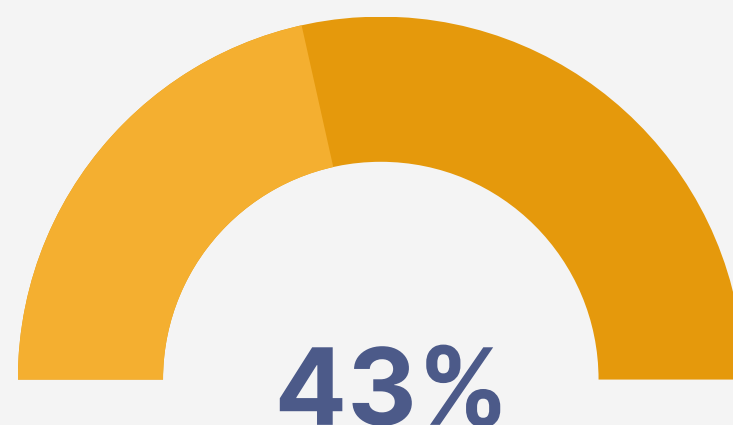
# RESKILL WORKERS

# #04

Skilled trades are in decline and finding skilled laborers is a challenge. This is what is referred to as a "skills gap" in many sectors, resulting in a large number of available positions. The skills mismatch is more obvious in the oil and gas sector, than anywhere else.



of the workforce needs to be reskilled or upskilled.



of the workforce will be reskilled or upskilled.

**However, It will take 10 months to reskill the average worker.**



# #04

## CONTINUED

How can a shortage of highly skilled workers be remedied? Making sure that current and future employees have the sophisticated technological capabilities they require is a clear approach.

### **A few ways to close the skills gap are:**

- Train existing employees in alternate jobs
- Automate processes
- Outsource projects
- Attract professionals from other industries

Visibility into skills shortages and the ability to set up training or retraining to upskill workers will become essential. Indeavor provides management visibility into Skills Gaps and provides the ability to incorporate training opportunities into the schedule.

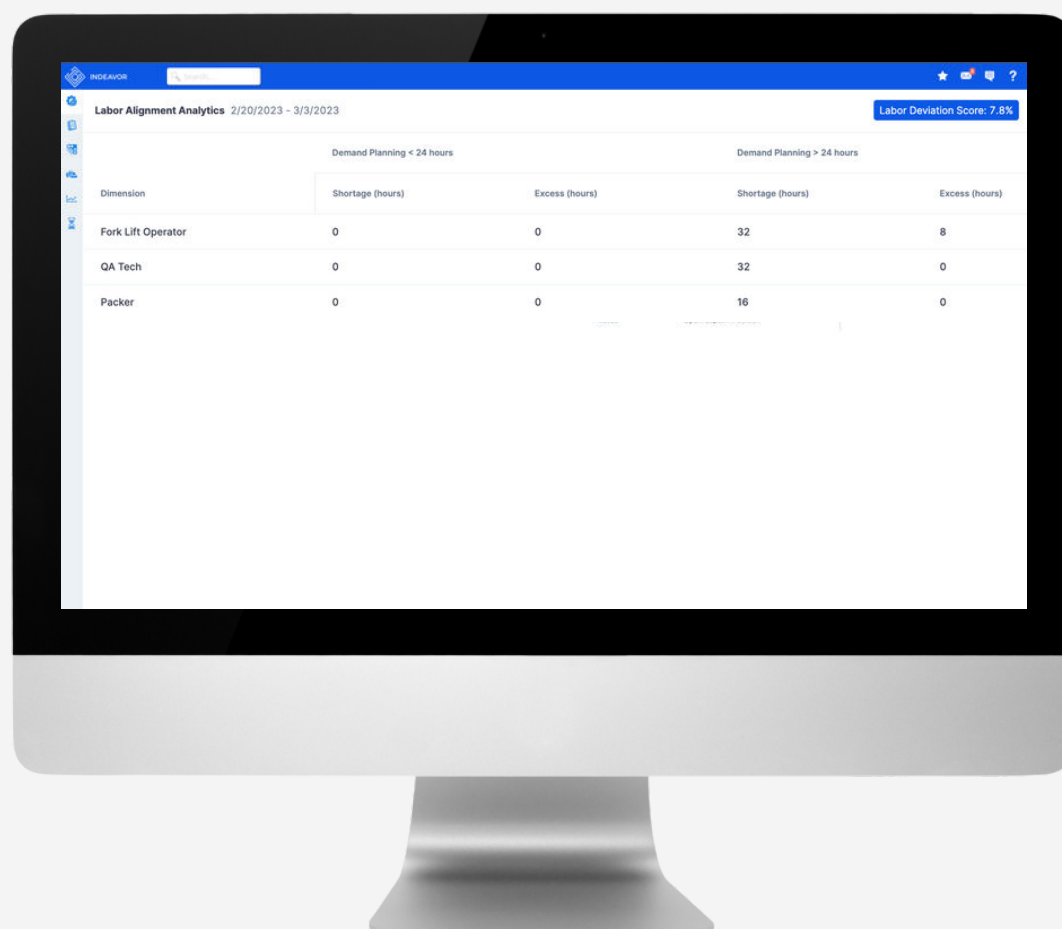




# #05 ANALYTICS

For the value chain to operate efficiently, data and analytics are essential. Indeavor Labor Alignment Analytics provides management and leadership insights into how well-staffed their organization is compared to their operational needs. This functionality helps to reduce overstaffing costs and solve labor needs if there is a labor shortage.

Estimates indicate that by integrating crucial operations throughout the value chain with a common data model, oil and gas businesses may potentially unleash millions of dollars in value each year. Companies will continue to lose money if they do not have qualified and trained workforces to operationalize around a single data model or to completely integrate operations across the organization.





# PERSONALIZING A PLAN FOR YOUR BUSINESS



If you're spending hours each week ensuring your schedule adheres to NRC or RP755-mandated fatigue management rules, mobilize Indeavor to allow your facilities to operate efficiently and confidently.

## **Indeavor allows you to:**

Create a shift schedule in minutes that's accurate, consistent, eliminates user error, and follows operational rules.

Promote safety and ensure various and complex regulations are never violated as the schedule automatically generates maximum hour work rules, minimum break rules, online minimum day off rules during an evaluation period, and 54-hour average per week rules during an evaluation period and outage rules.

Allow for manual schedule creation/modification, when necessary, schedulers are alerted when they violate a rule and are given a chance to back out or adjust to remain compliant or complete a waiver form as needed.

# Conclusion

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- #01 — ***Compliance** with regulations is essential for maintaining ethical and legal standards.*
- #02 — ***Safety** onsite prevents or minimizes the risk of worksite injuries.*
- #03 — ***Labor shortage** can be overcome with innovative talent strategies and tools.*
- #04 — ***Reskill workers** to bridge the skills gap and ensure industry sustainability.*
- #05 — ***Analytics** drive efficient value chain operations, optimizing staffing and reducing costs.*

**Leverage Indeavor to streamline fatigue management compliance effortlessly, creating accurate schedules while ensuring safety and adherence to regulations.**



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