ADDING VALUE TO YOUR COMPANY:

Measuring and Improving Timber Harvesting Productivity

December 4-5, 2014
DoubleTree Lloyd Center, Portland, OR
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DAY 1 AGENDA • DECEMBER 4, 2014

Business performance is a measure of the results achieved within an organization. Increasing performance can be brought about by using a performance improvement process. This workshop will give you a systematic approach for achieving a higher output of goods and/or services within the forest products industry.

The process begins with a focus on the key success factors of your business . . . profitability, safety or customer satisfaction. The next step is to set performance indicators for meeting these factors. Then the process moves towards evaluation . . . are you meeting your targets? And finally, what steps can be taken to enhance your output?

Performance improvement is a continual process and our presenter, John Mann has applied this process as Vice President, Timberlands for Western Forest Products, Inc. in western Canada. He manages 4.8 million acres of forest land and 1600 loggers in a combination of contractor and company logging crews on Vancouver Island and the mainland coast of British Columbia. His extensive experience within the forest products industry will help you to identify your performance indicators, analyze problems, identify underlying causes and create solutions to achieving your desired results.

1:00 Performance Improvement Process: Focus, Target, Evaluate, and Act
- John Mann, Western Forest Products

3:00 Break

3:30 Class Exercise: Applying the Performance Improvement Process - John Mann

Small groups will tackle the business management issues within the Quirky Soda Co by:

1. Mapping the current management system,
2. Identifying areas of opportunity for improvement,
3. Redesigning the management system, and
4. Determining shift performance

The exercise will conclude with a discussion on how the performance improvement system can be applied to the forest industry.

5:00 Adjourn
Knowing your logging costs is important to stay competitive in today’s log markets. Managing your costs means measuring logging efficiency, utilization and productivity. How does one logging crew compare against another? How does harvest productivity vary by stand type and age? Are you able to meet export orders with a firm delivery date? A strong logging analysis will help you meet your loads per day goals and give you certainty in dealing with log buyers through confidence in projecting deliverables.

This section of the workshop will give you the building blocks to answer these questions and provide you with simple techniques to measure logging productivity, utilization and efficiency. Quantifying your productivity will help you to identify your top performers and form a basis for managing your logging workforce. Are your logging crews working as expected or are they underperforming? You will learn easy techniques to collect and analyze your data. All designed to give you a better measure of your logging system’s productivity.

**Kevin Boston** will be the lead instructor for this section. He has over 30 years experience in the forestry industry. Kevin has held commercial and academic appointments in the United States and New Zealand. He has a PhD in forest engineering from Oregon State University and recently completed his J.D. at Northwest School of Law at Lewis Clarke College in Portland. He is both a registered professional forester in California and Professional Engineer in Oregon.

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<th>Time</th>
<th>Session</th>
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| 8:00  | What are the key factors that drive successful timber harvest operations?  
- Kevin Boston, College of Forestry, Oregon State University |
| 8:30  | Introduction to the Activity Sampling Method:  
A statistical technique for determining the proportion of time spent by workers in various categories of activity. Use this quick analysis to determine your logging crew’s workflow.  
- Kevin Boston |
| 9:00  | Small group exercise to use the sampling method and collect data from sample videos. |
| 10:00 | Discussion of small group results. |
| 10:15 | How do we use the sampling results in forest operations?  
- Kevin Boston |
| 10:30 | Break |
| 11:00 | Introduction to Elemental Time Studies:  
Used to record times for various machines and their production activities to predict machine production rates.  
- Kevin Boston |
| 12:00 | Lunch (included with registration) |
| 1:00  | Small group exercise to use the time study method and collect data from sample videos. |
| 2:30  | Discussion of small group results |
| 3:00  | How do we use the sampling results in forest operations? How do we take it to the next level and add value to your company?  
- Kevin Boston |
| 4:00  | Adjourn |
# Measuring and Improving Timber Harvesting Productivity

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## Registration Form

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<tr>
<th>NAME</th>
<th>ORGANIZATION or AFFILIATION</th>
<th>ADDRESS</th>
<th>CITY, STATE, ZIP</th>
<th>PLEASE LIST ANY SPECIAL NEEDS</th>
<th>EMAIL</th>
<th>TEL</th>
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## Registration

<table>
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<tr>
<th>BEFORE November 25, 2014</th>
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<tr>
<td>$560</td>
<td>$625</td>
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## Payment Method

1. Please make check payable to:  
   WFCA • 4033 SW Canyon Rd. • Portland OR 97221, USA  
   503-226-4562 • 888-722-9416 • FAX: 226-2515

2. Purchase order #

3. Charge to:  
   (please circle)  
   MC     VISA     AmEx

   Account #

   Expiration Date     Security Code  
   (on back of card)

4. Register online at www.westernforestry.org

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Questions?  
Call 888-722-9416 or 503-226-4562  
or amanda@westernforestry.org

**Western Forestry and Conservation Association**  
4033 SW Canyon Rd. • Portland, OR 97221  
503-226-4562 • 888-722-9416 • FAX: 503-226-2515  
Register on-line at: www.westernforestry.org
Location
The workshop will be held at the Doubletree Hotel Lloyd Center at 1000 NE Multnomah St. in Portland, OR. The hotel can be reached at: 503-281-6111. The DoubleTree is at the Lloyd Center/NE 11th Avenue stop on the Portland light rail MAX system.

Lodging Information
No block of rooms has been set aside for the meeting. Adjacent hotels to the DoubleTree include: Quality Inn Downtown Convention, Center, (503) 233-7933 and Residence Inn Portland Lloyd Center, 503-288-1400.

Registration Information
The registration fee is $560 if received by November 25 or $625 after November 25. The registration fee includes a book of the speaker’s PowerPoint slides, lunch on 12/5 and the use of a laptop on 12/5 for class exercises. Checks should be made payable to Western Forestry and Conservation Association. Purchase orders, VISA/MasterCard, and American Express are accepted. Tax id # 930-331-712.

Group Discount
Register 3 or more people from your organization and get 10% off each person’s registration fee. To redeem the group discount, please fill out one registration form per person and send one payment per group. Please send all registration forms and payment at one time.

Cancellations
Cancellations received by November 25, 2014 are subject to a 25% service charge. Cancellations received after that time will be charged the entire registration fee, but substitutions are always welcome.

Society of American Foresters CFE Credits
Workshop attendees are eligible for 10 Cat 1 CFE credits through the Society of American Foresters.

Registration questions?
Call Amanda at (888) 722-9416 or (503) 226-4562 or amanda@westernforestry.org

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