Hello Robbin,

I knew your post would be awesome this week, and you didn’t disappoint. The key parts that I took away from your post were that bottom-up estimating could give you accuracy and reliability, and the project is broken down into manageable pieces and reliable estimates. You were talking about the benefits of Bottom-up and that it “[e]nsure[s] no task is overlooked.” From what we have read, they have multiple issues, and having this in place could really save Global Green, employees, and the customer.

From what I have read, I think the owner knows for normal projects how long it will take and the procedures to make the pdf. For bottom-up, you are required to give up time before implementation; as you suggested, the variations of orders cause delay and will increase what goes into the template. “When an activity’s duration cannot be estimated with a reasonable degree of confidence, the work within the activity is decomposed into more detail.” (PMBOK, 2017)

Could we try another method over the low-level approach? What do you think about mixing estimating styles? Using a quicker style to create a template for normal procedures to get them out the door while going through the bottom-up as you suggested. I would agree with you that bottom-up is superior, but I worry about the time to production and the increased hits the company could take.  
  
  
*A Guide to the Project Management Body of Knowledge (PMBOK® Guide)*, Project Management Institute, 2017.*ProQuest Ebook Central*, <http://ebookcentral.proquest.com/lib/champlain/detail.action?docID=5180849>.

Project Management Institute. (2019). *Practice standard for work breakdown structures* (3rd ed.). Project Management Institute. Retrieved from <https://learning.oreilly.com/library/view/practice-standard-for/9781628256192/copyright.xhtml>