



Hourly Wage Rates

- Union Wage
 - § Wage rate decide by labor contract between labor union and contractor's management
- § Fringe benefits directly paid to unions
- Open-shop Wage
 - § Wage rate agreed on by employer and employee
- Prevailing Wage
 - § Mostly for work on projects funded by state/federal monies

Davis-Bacon Act

- All federal government construction contracts and most contracts for federally assisted construction over \$2,000 must include provisions for paying workers on-site no less than the locally prevailing wages and fringe benefits paid (ammended 1964) on similar projects.
- Last suspended during hurricane Andrew § Reinstated by President Clinton (1993)
- Indefinitely suspended on 09/08 for the 4 states affected by Katarina
- Multiple efforts at repealing act! (latest: 2004)

Estimating Production Rates

- Production Rate: Number of units installed/crew-hour
- Affected by:
 - § Weather
 - § Technology employed
 - § Level of supervision
 - $\ensuremath{\mathbb{S}}$ Worker skills
- Information: RS Means/historical contractor information

Overtime

- Working overtime for an extended period of time adversely impacts productivity
- Guiding formula to calculate efficiency: § Eff.(%) = 100% - 5[(days -5) + (hours -8)]
- Benchmark: 100% Efficiency when working 8 hours a day for 5 days a week.
- 95% efficiency for 9 hours a day 5 days a week.

Other Productivity Factors

- Increasing workforce: Crowding on site
- Impacts of learning on productivity § Reduction in time of completion for Nth repetition of an activity
- Interrupting work on multiple units § Lost learning

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