

Handout 9-1 Earned Value Solution

Earned Value Analysis Exercise

Data Provided

BAC	=	\$975,000
EV (BCWS)	=	\$190,000
PV (BCWP)	=	\$290,000
AC (ACWP)	=	\$240,000
ETC	=	\$991,579

Desired Calculations:

CV
SV
Percent Spent
Percent Complete
EAC

The Formula:

$$\begin{aligned} \text{EV} - \text{AC} &= \text{CV} \\ \$190,000 - \$240,000 &= -\$50,000 \end{aligned}$$

$$\begin{aligned} \text{EV} - \text{PV} &= \text{SV} \\ \$190,000 - \$290,000 &= -\$100,000 \end{aligned}$$

$$\begin{aligned} \text{AC} / \text{BAC} &= \text{Percentage Spent} \\ \$240,000 / \$975,000 &= 25\% \end{aligned}$$

$$\begin{aligned} \text{EV} / \text{BAC} &= \text{Percentage Complete} \\ \$190,000 / \$975,000 &= 19\% \end{aligned}$$

$$\begin{aligned} \text{ETC} + \text{AC} &= \text{EAC} \\ \$991,579 + \$240,000 &= \$1,231,579 \end{aligned}$$