

Mitigation Cost Estimation Tool (MCET)

Presented by
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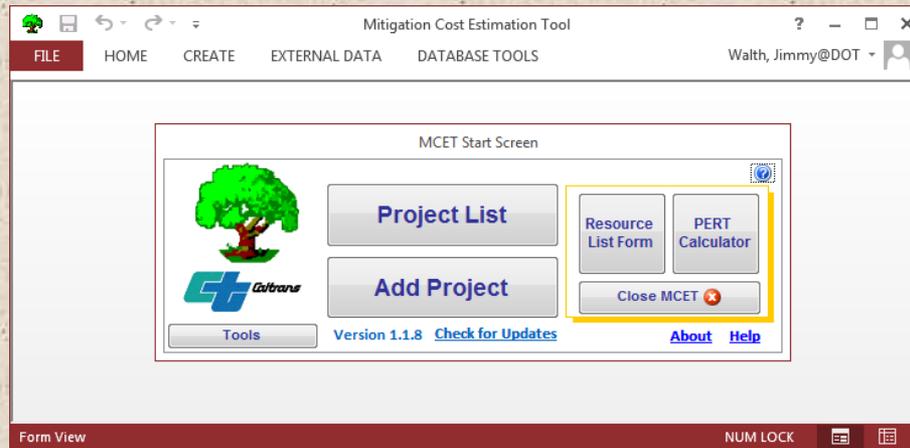
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Introduction



```
DIGITAL DIARY1 - Microsoft Visual Basic .NET [design] - Click.vb
File Edit View Project Build Debug Tools Window Help
Debug
AddressBook.vb [Design] | AddressBook.vb | Output | Task List - 6 Build...ks shown (filtered) | Form3.vb | Click.vb
My User Controls
Clipboard Ring
General
Pointer
Label1
Label12.Text = "VANCOUVER TIME"
Label13.Text = "Distance From New Delhi In K.N 11105.5222591367"
End If
If RadioButton5.Checked Then
Label11.Text = DateTime.Now.AddHours(4.5)
Label12.Text = "AUSTRALIAN TIME"
Label13.Text = "Distance From New Delhi In K.N 10194.1747036986"
End If
If RadioButton6.Checked Then
Label11.Text = DateTime.Now.AddHours(6.5)
Label12.Text = "NEW ZEALAND TIME"
Label13.Text = "Distance From New Delhi In K.N 12484.6762064566"
End If
If RadioButton7.Checked Then
Label11.Text = DateTime.Now.AddHours(-3.5)
Label12.Text = "SWITZERLAND TIME"
Label13.Text = "Distance From New Delhi In K.N 6150.09349039816"
End If
```



MCCE

Where do we get these estimates?

Revised: 9/4/2015

**Central Region Environmental Division
Mitigation Compliance Cost Estimate (MCCE)**

This MCCE is for: **Final ED**

Dist - Co - Rte - PM: 05-VAR-101-0/0 EA: 05-31580_
 Project Name: San Juan Road Interchange Alternative #: 10D
 Project Description: CONSTRUCT INTERCHANGE
 Env. Senior: Kirsten Helton Phone Number: 559-445-8461
 Project Manager: Silberberger, David M Phone Number: (805) 549-3798
 MCCE Prepared By: Charles Siek Date: 8/21/2008 Phone Number: (559) 243-8302

	PA&ED 232 Dollars	FY	Acres or Credits	ROW 050 Dollars	FY	Construction 042 Dollars	FY
Architectural History							
Architectural History						\$150,000	
Biological							
Monitoring						\$530,000	
Mitigation Parcel			57				
Bank Credits				\$1,596,000			
Hazardous Waste							
Hazardous Waste						\$50,000	
Paleontological							
Paleontological						\$10,000	
Archaeological							
Archaeological						\$150,000	
Permit Fees							
CDFW Document Filing Fee				\$1,876.75			
1600 Amendment				\$168			
NOI/NOT (Stormwater)				\$20,665	14/15		
401				\$30,684			
1600				\$34,558			
TOTAL				\$1,683,951.75		\$890,000	
Comments							

Approved By: _____ Date: _____
 Environmental Branch Chief

If mitigation totals more than \$1,000,000: _____ Date: _____
 Environmental Office Chief

If Right of Way Capital (050) is needed: _____ Date: _____
 Right-of-Way Office Chief, Mitigation

Resources for MCCE

- Experienced staff or seniors
- Historic Data
- Similar PEARS/types of projects
- Consultants
- Regulations
- Communications with regulators
- Professional judgment

Professional Judgment (or educated guessing)

- The problem is integrating all resources into your educated guesses.
- Without a Methodology the MCCE:
 1. Lacks Accuracy
 2. Lacks Repeatability
 3. Lacks Defensibility
 4. Lacks Transparency

MCET

- Mitigation Cost Estimation Tool (MCET)
 - Provides an accurate, repeatable, defensible , and transparent methodology for estimates.
 - Uses the **Project Estimate Report Technique** or **PERT** to estimate mitigation costs based on three separate estimates (or educated guesses).
 - Provides an user friendly interface to quickly and systematically estimate all project related mitigation costs.

Program Evaluation and Review Technique (PERT)

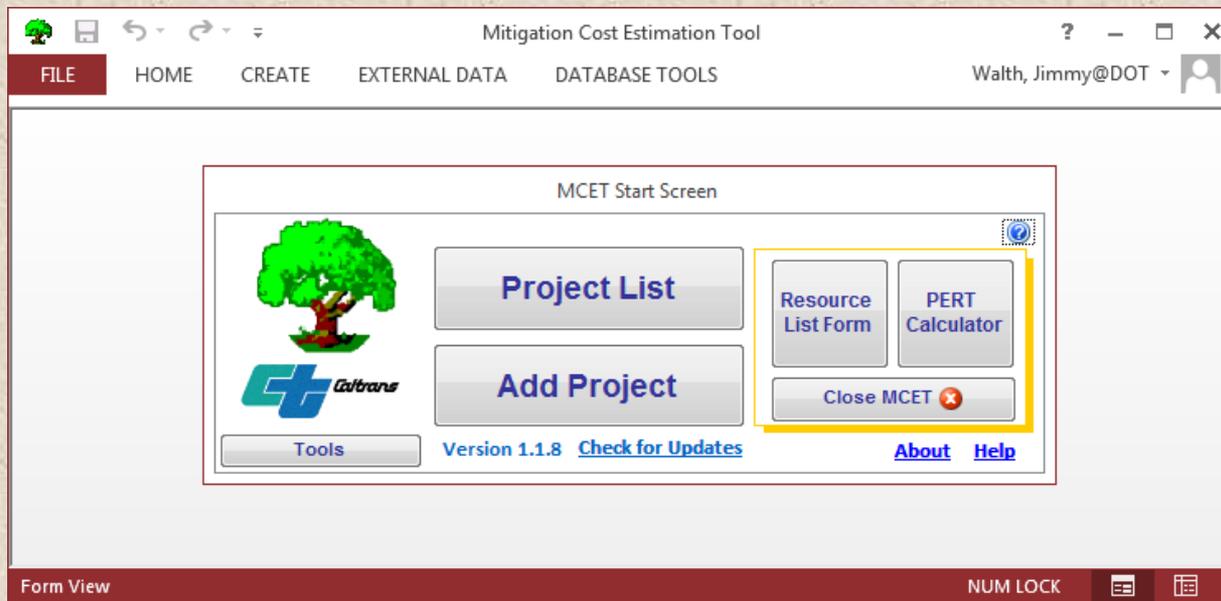
When should we PERT?

The Big Ticket Items (examples)

- NESs
- Biological Assessments
- Permits
- Mitigation Costs
- Construction Monitoring



MCET (Example)



<http://wwwd5.dot.ca.gov/mcet.html>

Questions

