

Tampa Bay Disaster Resiliency Study

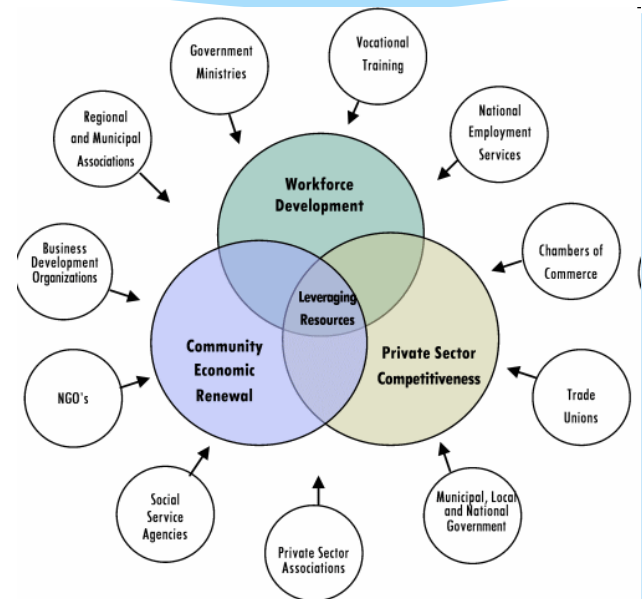
Tampa Bay Regional Planning Council

10/24/12



Economic Development

- * Economic Development District
- * Economic Analysis Program
- * Cluster and Workforce Skills Gap Study
- * Disaster Resiliency Study



Economic Development District Overview

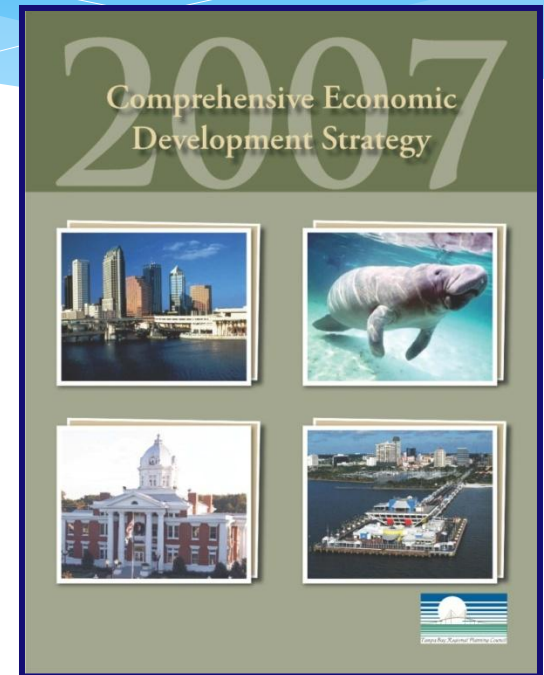
- * TBRPC is a funded Economic Development District (EDD)
 - * Economic Development Administration (EDA) provides half of the funding
 - * TBRPC funds the other half
 - * Tampa Bay has been a funded EDD since 2003
- * Advantages for Local Govts
 - * No CEDS Requirement
 - * EDA stresses regionalism
 - * Single Point of Contact for region

Economic Development District Overview

- * The primary functions of the EDD are (but are not limited to):
 - * The preparation and maintenance of a CEDS.
 - * Assist in the implementation strategies identified in the CEDS.
 - * Provide technical assistance to local governments and economic development organizations on their economic development activities, programs, and grant applications.
 - * Single Point of Contact for region

CEDS

- * Federally Funded since 2003
- * Created the Comprehensive Economic Development Strategy (CEDS)
 - * Updated every 5 years
 - * Maintains a regional project implementation list
 - * EDA Funding Preference



EDD Funded Projects (2007 – 2012)

- ✓ Tampa Port Authority
 - ✓ REK Pier Restoration
- ✓ Hillsborough Community College
 - ✓ Automotive and Firefighter Teaching Complex
- ✓ Targeted Industry and Workforce Skills Competency Study
- ✓ Disaster Resiliency Study



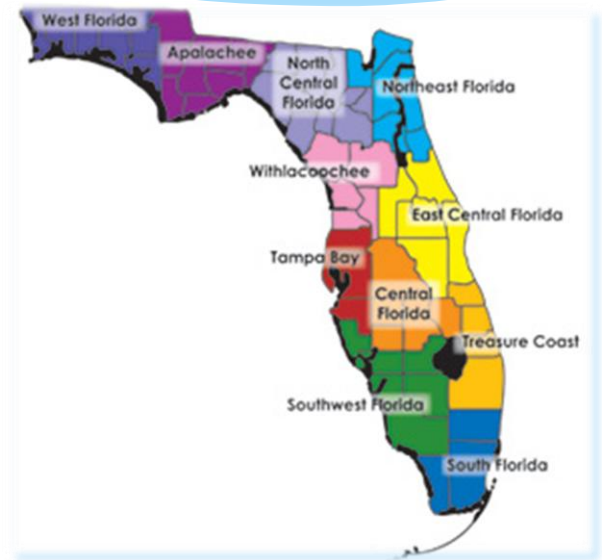
CEDS Framework – Florida Chamber Six Pillars

SIX PILLARS OF FLORIDA'S FUTURE ECONOMY



DEO and Florida Chamber

- * DEO Regional Meetings
- * 12 Meetings throughout the State
- * Roughly 1,000 participants in total
- * ARS and Technical Support to synergize information gathered from all meetings
- * Participants voted on strategies and Pillars
- * Data will be used within CEDS



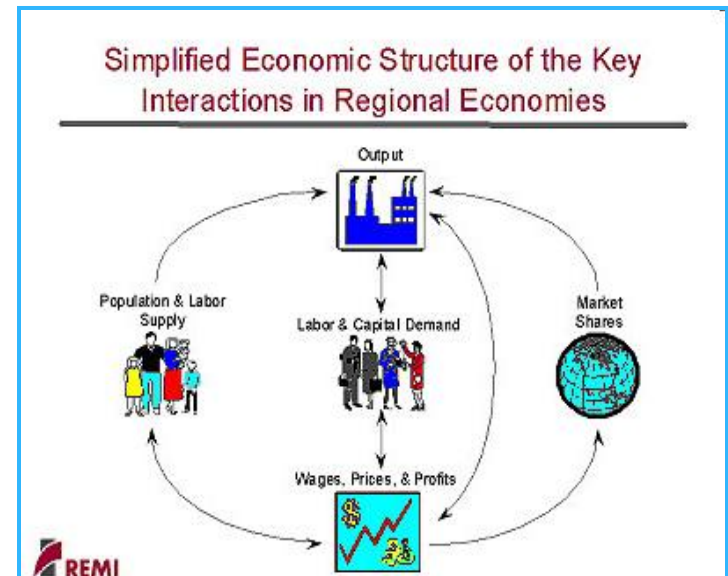
Economic Analysis Program

- * Provides Economic Analysis to Region

- * Forecasts
- * Effects of Change
 - * New or Closing Business
 - * Sales Tax increase

- * Models

- * REMI Policy Insight
- * Implan
- * EDM
- * CFAPT



Disaster Resiliency Study



1921 Hurricane

Tampa, FL

Purpose

- * Analyze Direct, Indirect, and Induced Impacts of Catastrophic Event
- * Identify impact to various Employment Sectors
- * Estimate recovery, reconstruction, and assistance efforts
- * Provide Scalability and Transferability
- * Identify Vulnerabilities
- * Provide Resiliency Strategies



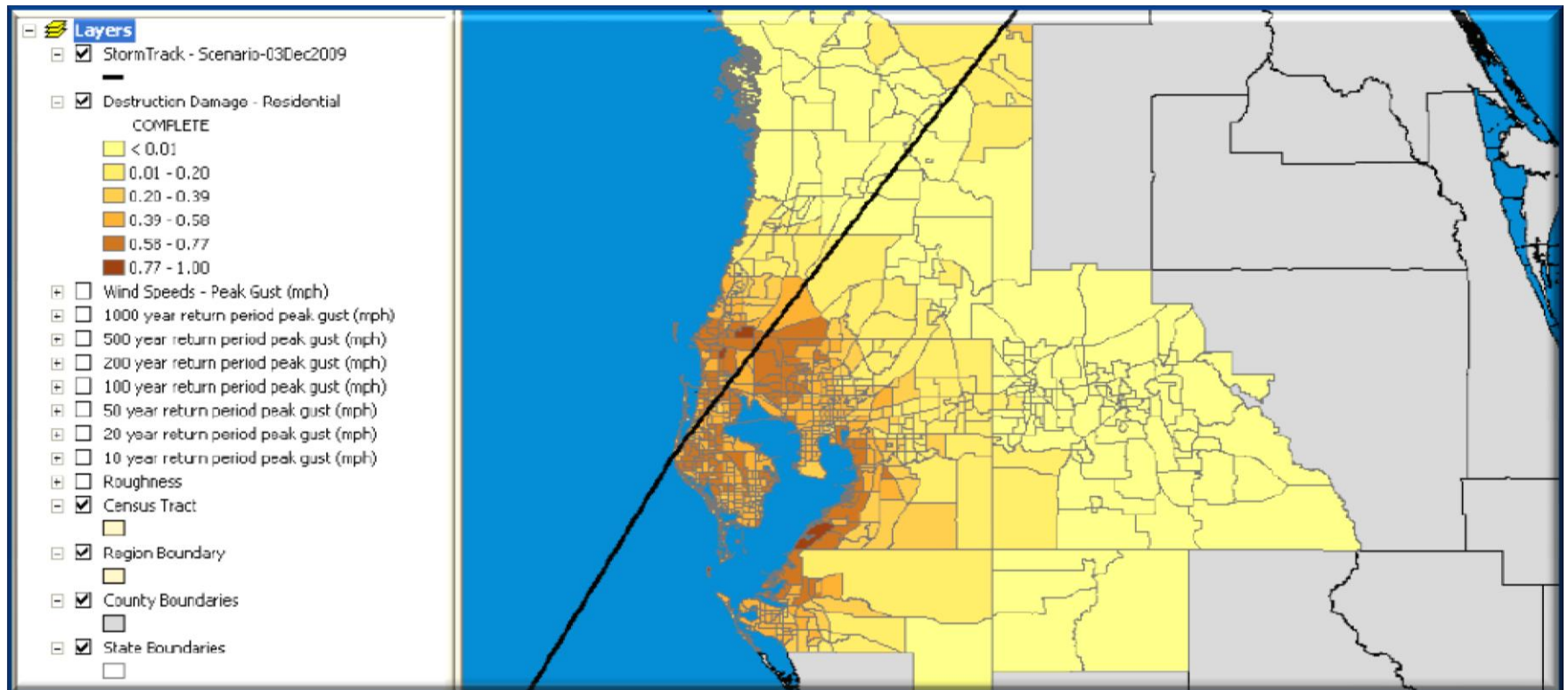
Phase I - Population and Employment Inventory

- * Provides quick-look population and employment profiles of sub-county areas throughout the region
- * Identifies key employment sectors in each area
- * Lists population for each area by housing type
 - * Site-built homes vs. mobile homes

MANUFACTURING	12690
RETAIL TRADE	4568
CONSTRUCTION	4400
ADMINISTRATION AND WASTE SERVICES	3960
HEALTH CARE AND SOCIAL ASSISTANCE	3696
WHOLESALE TRADE	3032
EDUCATIONAL SERVICES	2539
PROFESSIONAL AND TECHNICAL SERVICES	2497
ACCOMODATION AND FOOD SERVICES	2255
MANAGEMENT OF COMPANIES AND ENTERPRISES	1496
TRANSPORTATION AND WAREHOUSING	1485
OTHER SERVICES	1187
FINANCE AND INSURANCE	641



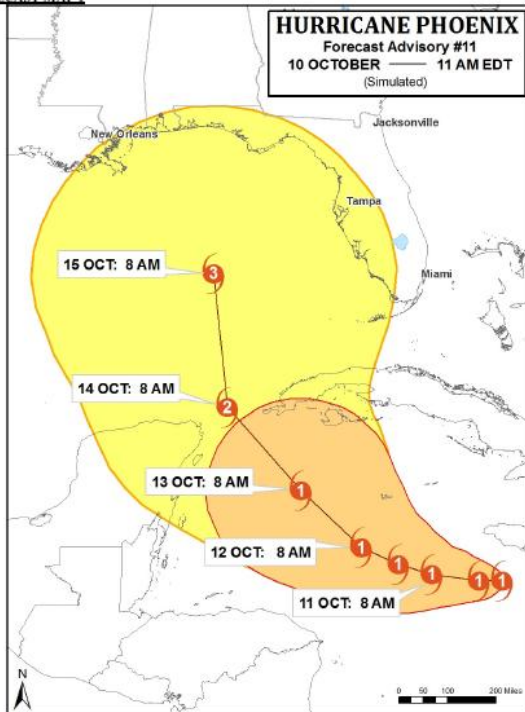
Phase II – Impact of Project Phoenix



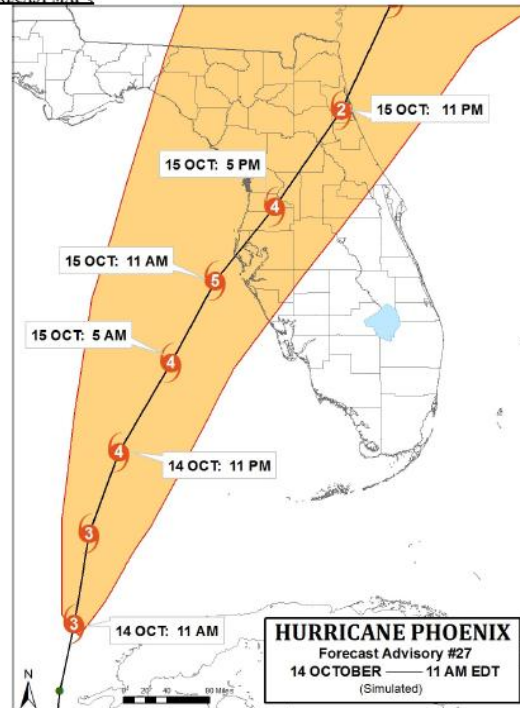
Project Phoenix



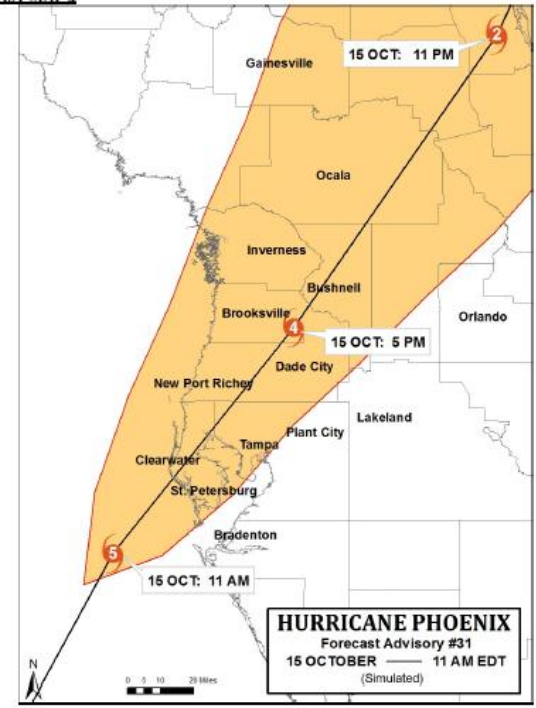
FORECAST MAP 1



FORECAST MAP 2



FORECAST MAP 3



Assumptions

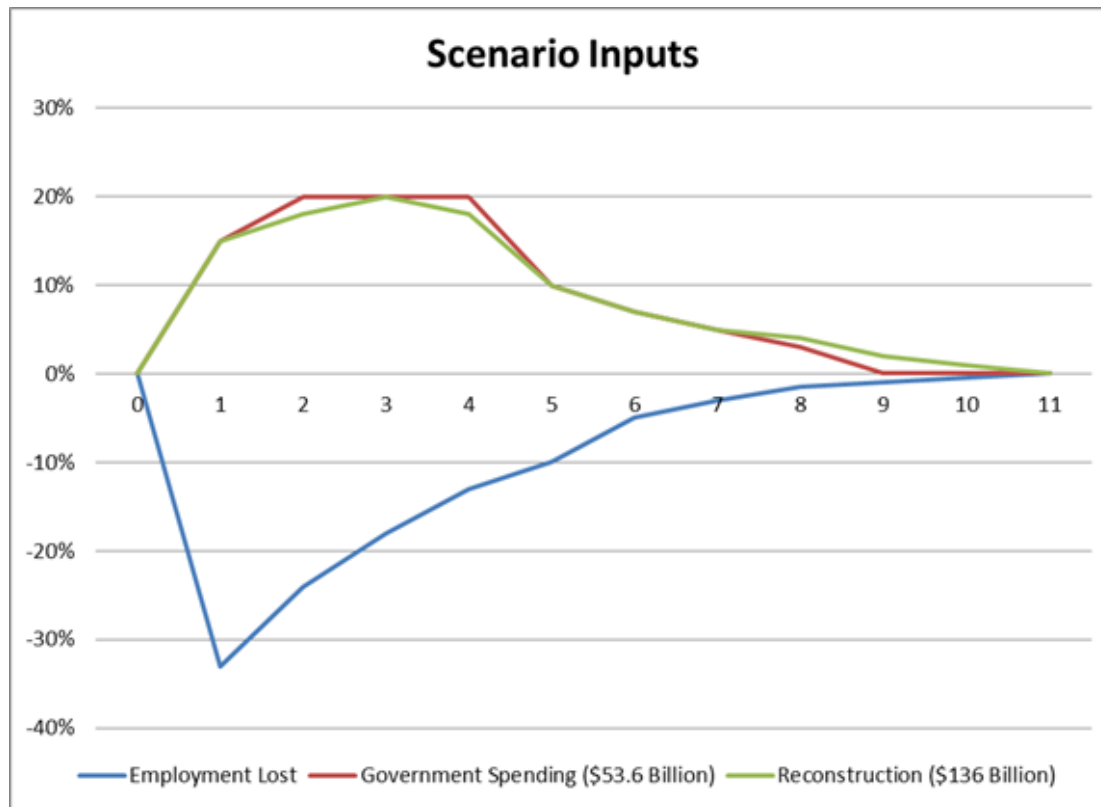
* Negative Impacts (Employment Losses) – Recovery Rate

Year	1	2	3	4	5	6	7	8	9	10
Percent	33%	24%	18%	13%	10%	5%	3%	1.5%	1%	0.5%
Amount (Thous)	541	394	295	213	164	82	49	25	16	8

* Positive Impacts (Economic Gains) in 2010 \$Billions

Type	TOTAL	1	2	3	4	5	6	7	8	9	10
Residential Construction	\$67.9	\$10.2	\$12.2	\$13.6	\$12.2	\$6.8	\$4.8	\$3.4	\$2.7	\$1.4	\$0.7
NonRes Construction	\$67.9	\$10.2	\$12.2	\$13.6	\$12.2	\$6.8	\$4.8	\$3.4	\$2.7	\$1.4	\$0.7
Government Spending	\$53.6	\$8.0	\$10.7	\$10.7	\$10.7	\$5.4	\$3.8	\$2.7	\$1.6	\$0	\$0
TOTAL SPENDING	\$189.5	\$28.4	\$35.2	\$37.9	\$35.2	\$19.0	\$13.3	\$9.5	\$7.0	\$2.7	\$1.4

Phasing of Scenario Inputs

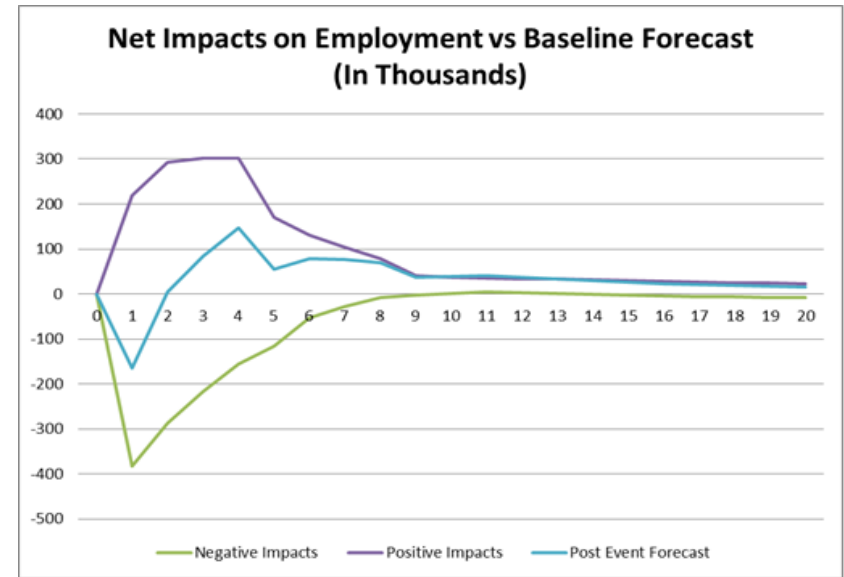
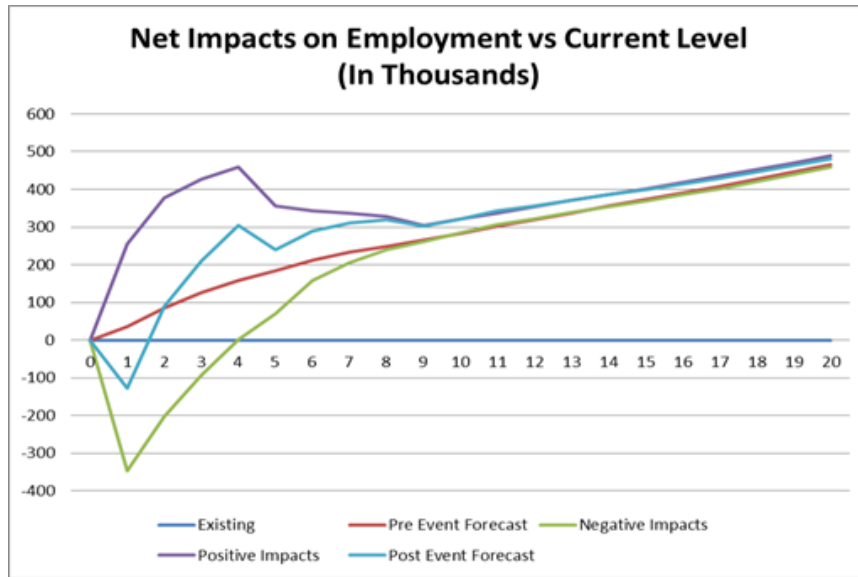


Net Impacts

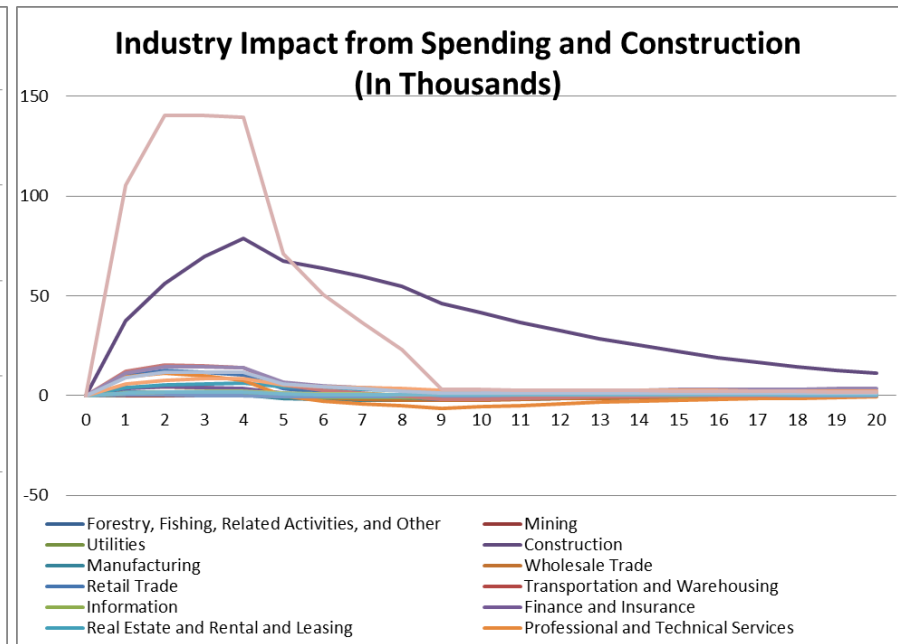
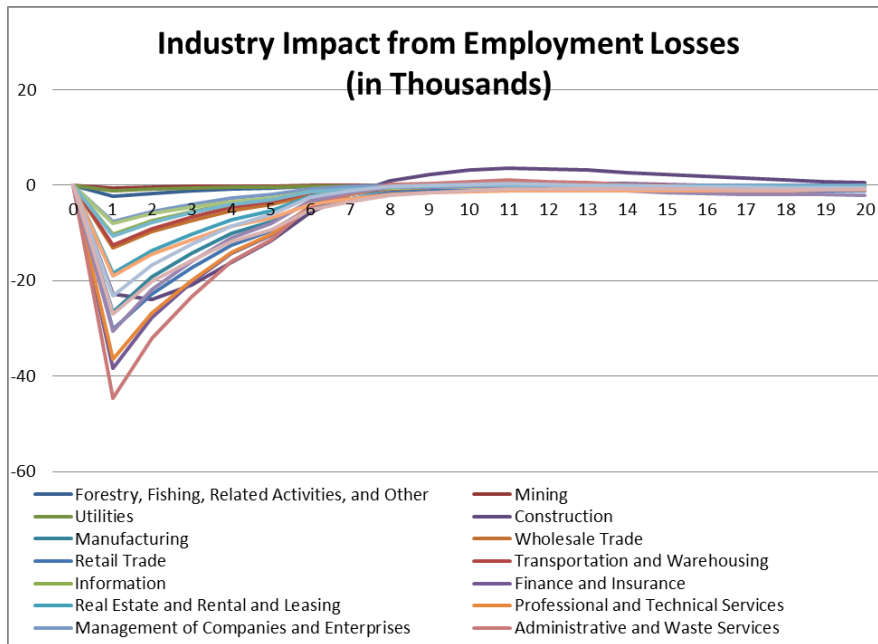
Current Level

vs

Baseline Forecast



Individual Impacts



How to Use and Implement

- * Scalability
- * Transferability
- * Targeted Employment Cluster Locations
- * Evacuation Level Employment by Sector
- * Aid and Assistance Estimates



Data Collection Template

- * Use the REMI Model and Disaster Resiliency Study in Your Region
- * Simplified version of data needed to run analysis at time of impact
- * Quickly assessment of damage
 - * Shows the direct, indirect, and induced impacts
 - * County level impacts
- * Can test various assessment amounts to show impact
 - * Takes the guessing out of aid requests
 - * Documentation needed for grants
 - * Manages expectations
- * Can be utilized pre event to help plan and prepare

Contact

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