



# **Executive Committee**

Of the Advisory Council

March 11, 2013



Purpose: Guidance for the March 28<sup>th</sup> Advisory Council Agenda:

- Review 2012 Findings and 2013 Plan
- Establish Advisory Council Agenda
- Define Executive Committee's Ongoing Role









# 2012 Findings

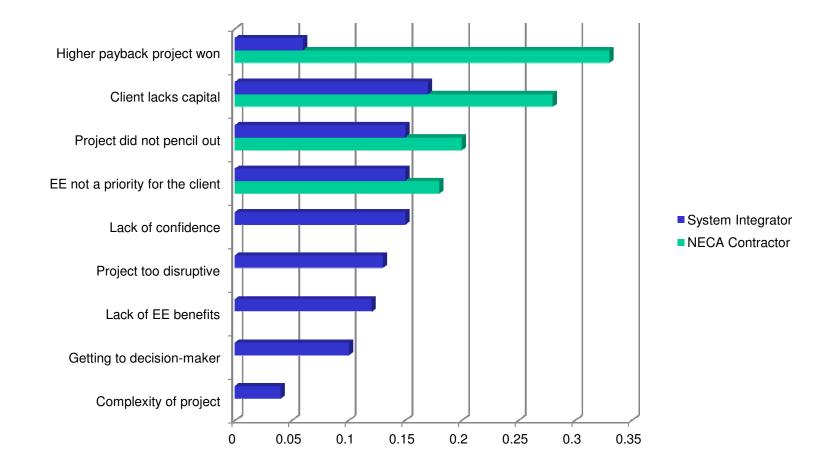
### 2012 Findings

- Barriers to Market Adoption
- Profile of Top-Performing Professionals
- Geographic Distribution of In-demand Jobs
- Job Openings Mapped to College Programs





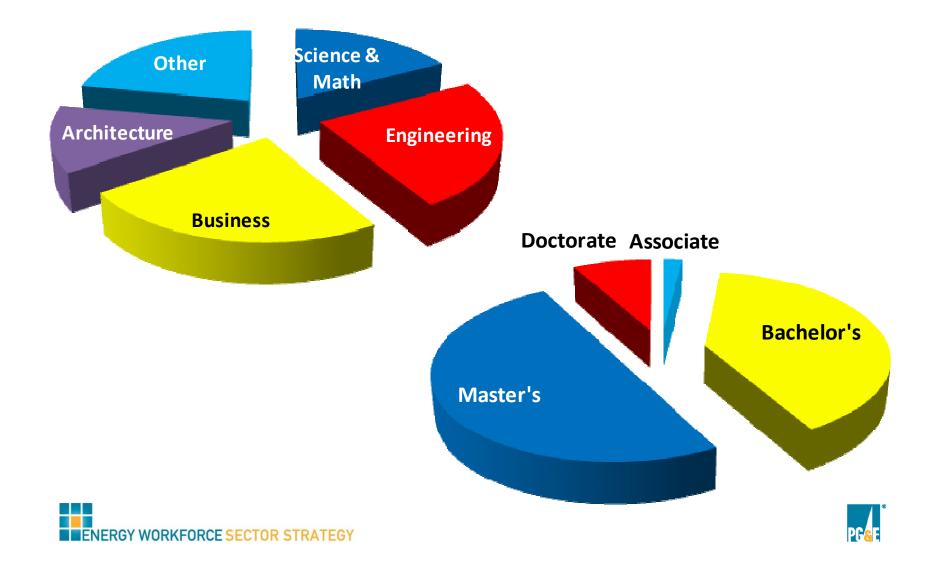
### **Barriers to Market Adoption**



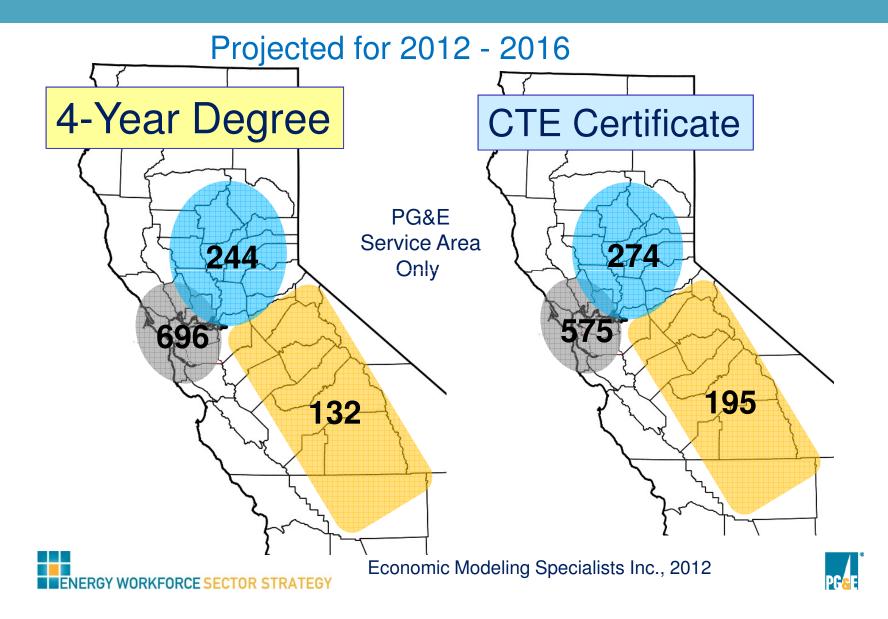




### **Profile of Senior Energy Professionals**

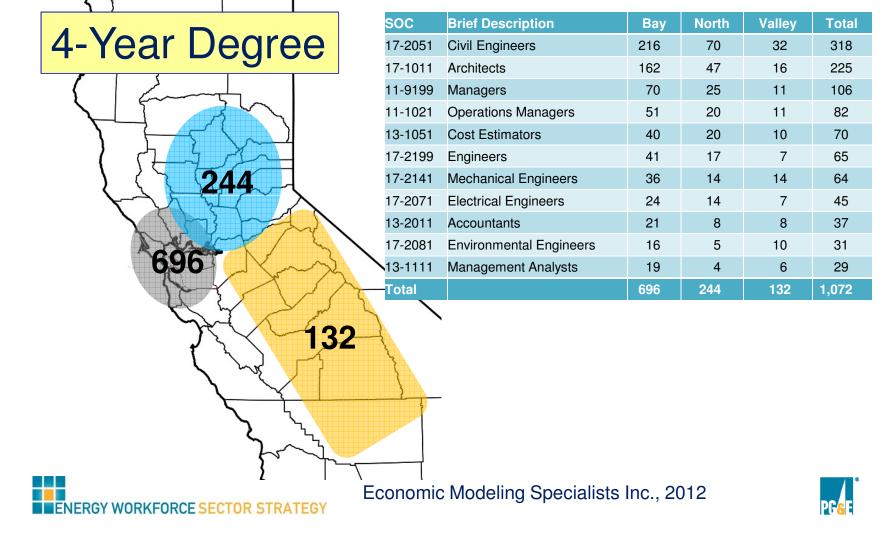


### **Annual Distribution of Job Openings**



### Annual Distribution of Job Openings

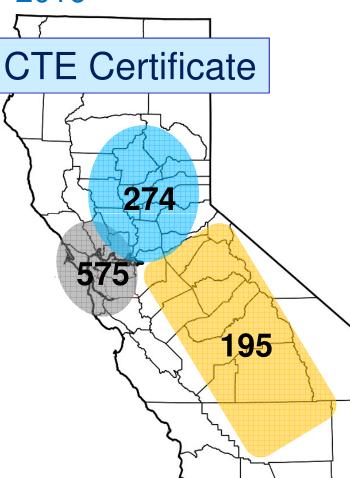
### Projected for 2012 - 2016



### **Annual Distribution of Job Openings**

### Projected for 2012 - 2016

SOC	Brief Description	Bay	North	Valley	Total
47-2111	Electricians	149	86	75	310
47-2152	Plumbers	109	44	26	179
47-2031	Carpenters	94	46	20	160
47-1011	Construction Supervisors	86	43	21	150
11-9021	Construction Managers	46	20	15	81
49-9021	HVAC Installers	32	13	20	65
47-4011	Construction Inspectors	32	12	9	53
47-2211	Sheet Metal Workers	27	10	9	46
Total		575	274	195	1,044





Economic Modeling Specialists Inc., 2012







## 2013 Plan

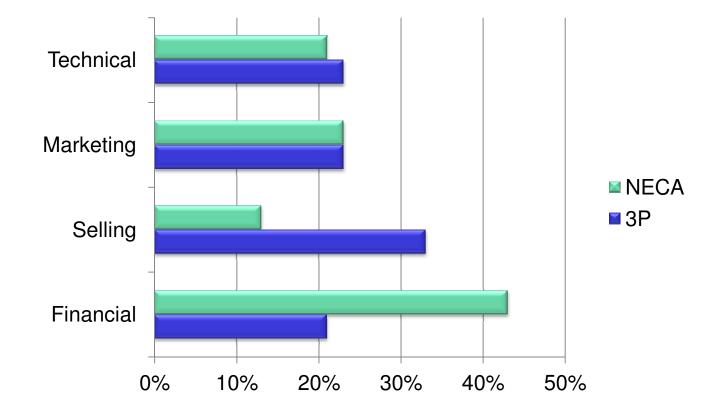
### **Key Deliverables**

- Business Development Course
  - Address barriers to market adoption
- Career Pathway Development
  - Expand pipeline for recruiting
- Resource Portal
  - Education & training programs
  - Recruiting source
- Integration with Other Initiatives
  - IOUs' HVAC strategy
  - CALCTP / Western Cooling Center





### **Business Development Course**

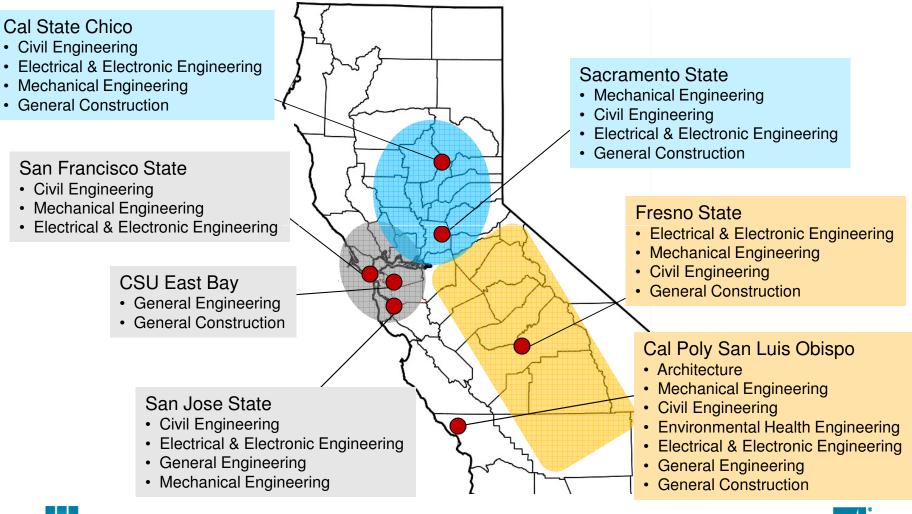






### **CSU** Programs

#### Highest Relevance to Energy Efficiency





ENERGY WORKFORCE SECTOR STRATEGY

# **Community College Programs**

### Highest Relevance to Energy Efficiency

#### San Francisco City

- Architecture
- General Construction
- Electricians
- Energy/HVAC Technology

#### Laney College

- Energy/HVAC Technology
- Architecture
- General Construction
- Carpentry

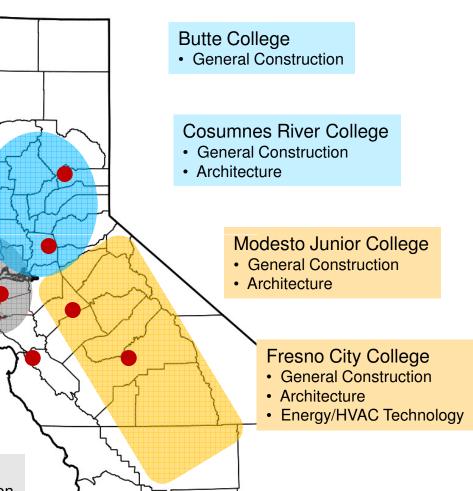
#### West Valley College

Architecture

# Foothill College Electricians Energy/HVAC Technology

- Hartnell CollegeGeneral Construction
- Carpentry







### **New Portal Content**

- Career Pathways
  - Tier 1 Colleges programs and pathways
  - Education & training schedules
  - Opportunities for industry engagement
- Recruiting Source
  - Class graduation schedules
  - Link to resumes of graduates
- Links to Other Programs
  - IOU HVAC Strategy
  - CALCTP
  - Western Cooling Center



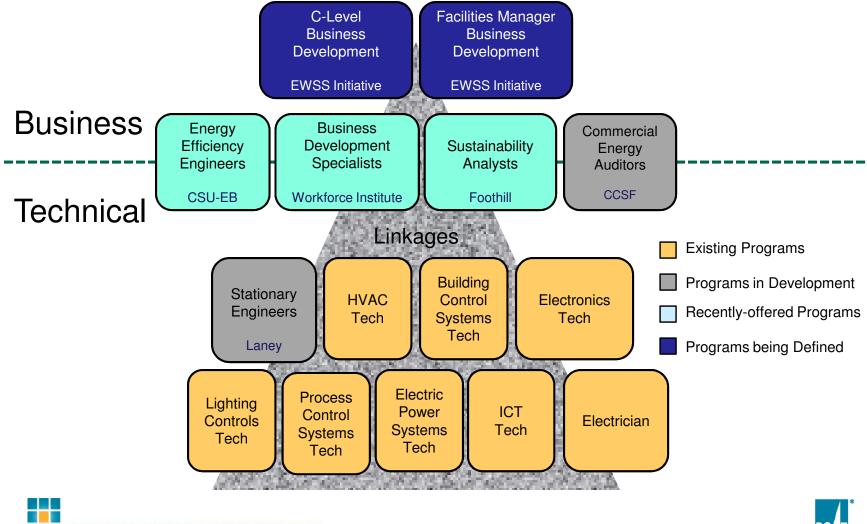






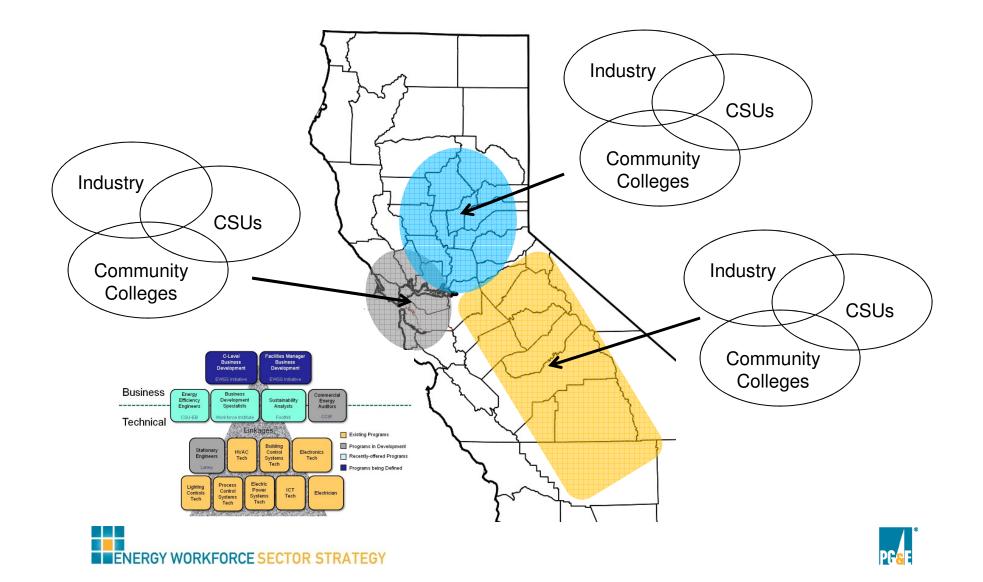
### **Guidance for Advisory Council**

## **Energy Efficiency Training Portfolio**





# **Regional Alignment**



### **Regional Prioritization**

### • Drive Market Growth

- Addressing Barriers
- Capacity in Critical Jobs
- Define Workforce Needs
  - Incumbent Worker Up-skilling
  - New Employee Pipeline
- Address Gaps
  - Programs
  - Pathways
  - Subject Matter Expertise
  - Instruction





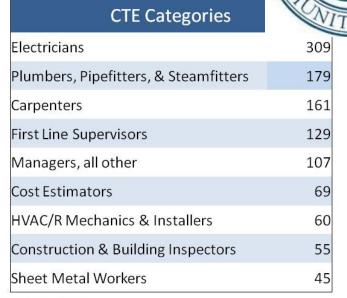
### **Promote Regional Training**





#### **Professional Categories**

Civil Engineers	318
Architects	225
General and Operations Managers	80
Construction Managers	79
Mechanical Engineers	64
Engineers, all other	62
Accountants & Auditors	31
Management Analysts	26
Environmental Engineers	25



Economic Modeling Specialists Inc., 2012





### **Propose New Training Courses**



- Integrated Energy Solutions
  - 120 hour course for engineers (CSU East Bay)
- Commercial Energy Auditor
  - Flexible course design for multiple applications (CCSF)
- Energy Efficiency in Building Solutions
  - 80 hour course for Sustainability Analysts (Foothill)





### **Regional Portal Updates**

### **Create Broad Access to Information**







### Advisory Council Proposed Agenda

- Recap of 2012 Accomplishments
- Review 2013 Plan
- Executive Committee Guidance Needed
  - Regional Working Groups
  - Recruitment

### 2013 Theme: Building Momentum





### **Executive Committee "Asks"**

- Guide/Inform Advisory Committee Agenda
- Evaluate Overall Project/Team Progress
- Assist in Identifying Resources (non-monetary) for Projects
- Cheerlead!









# Thank You