



Executive Committee

Of the Advisory Council

March 11, 2013



Purpose: Guidance for the March 28th Advisory Council Agenda:

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









2012 Findings

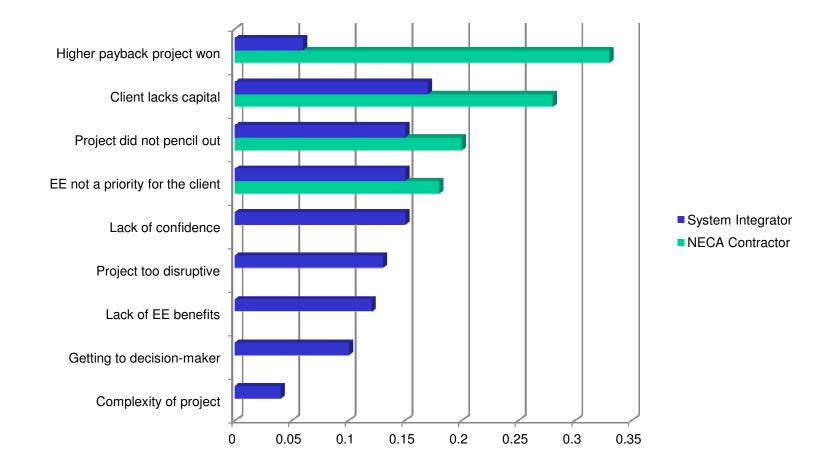
2012 Findings

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





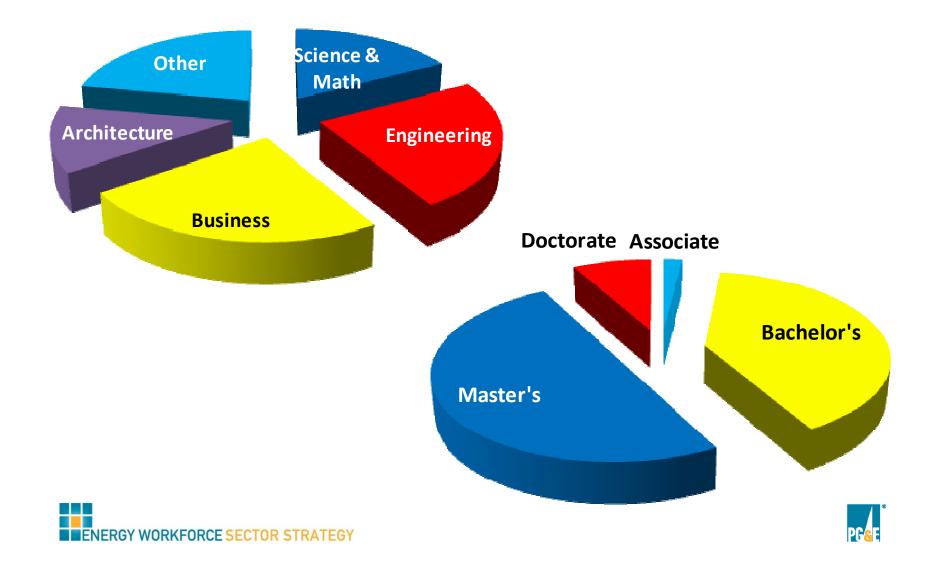
Barriers to Market Adoption



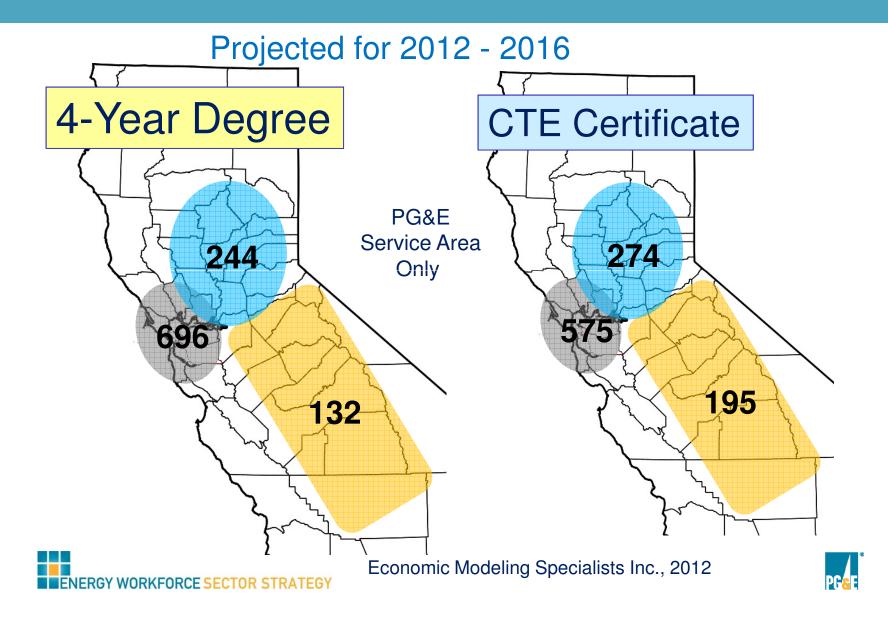




Profile of Senior Energy Professionals

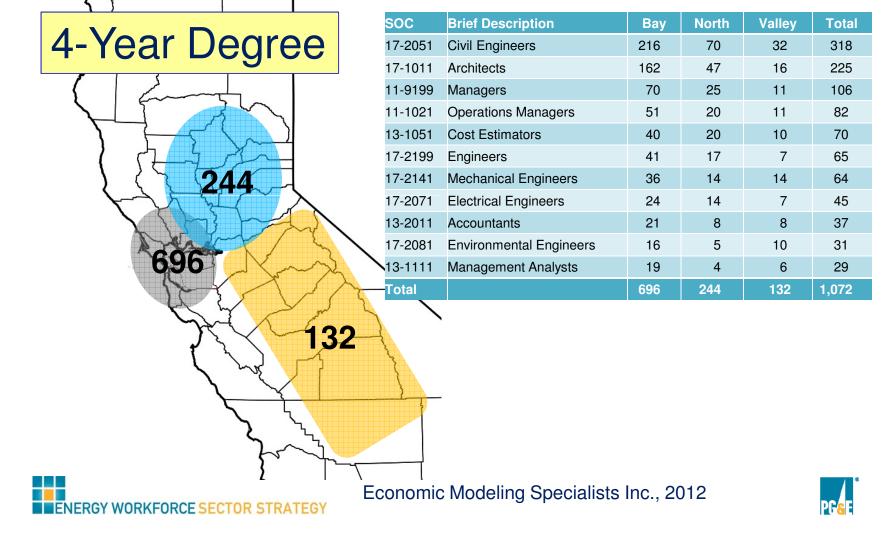


Annual Distribution of Job Openings



Annual Distribution of Job Openings

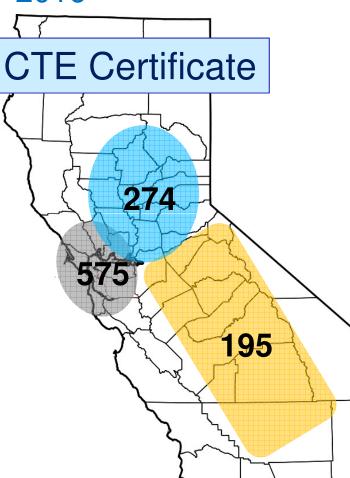
Projected for 2012 - 2016



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

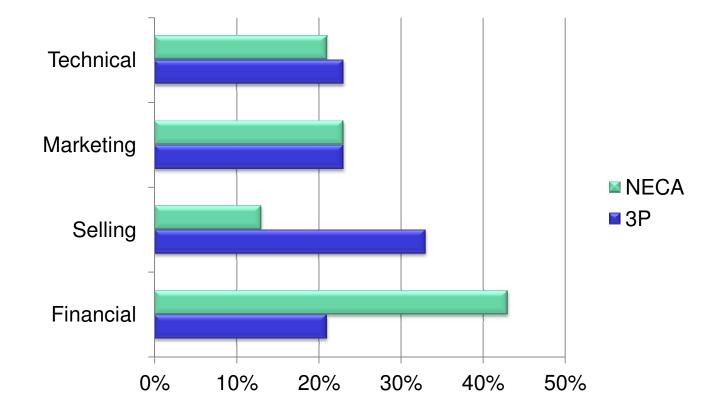
Key Deliverables

- 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

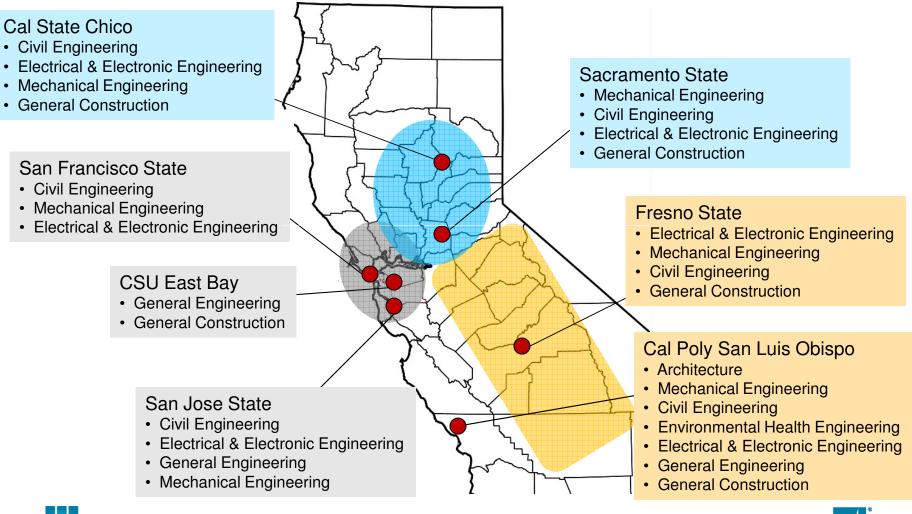






CSU Programs

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

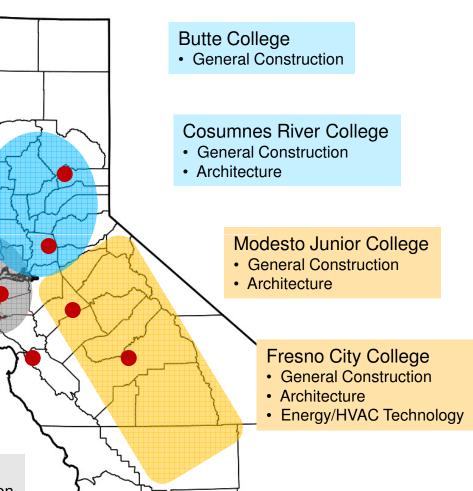
West Valley College

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



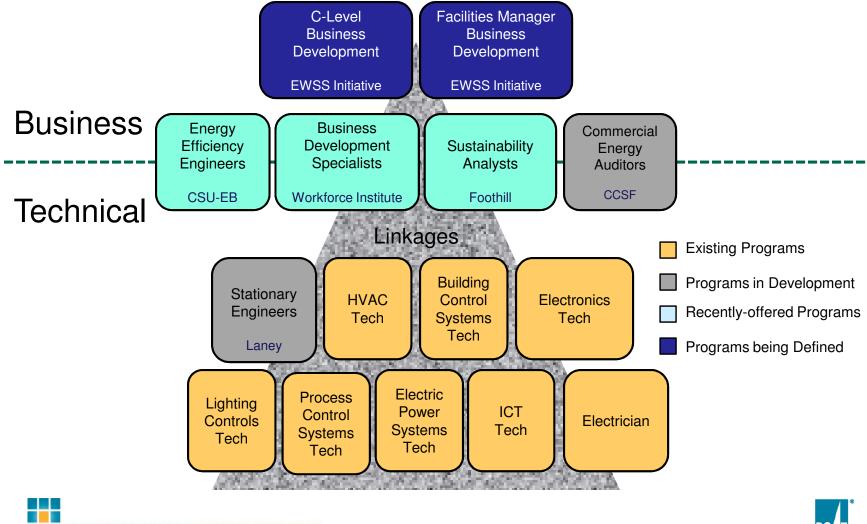






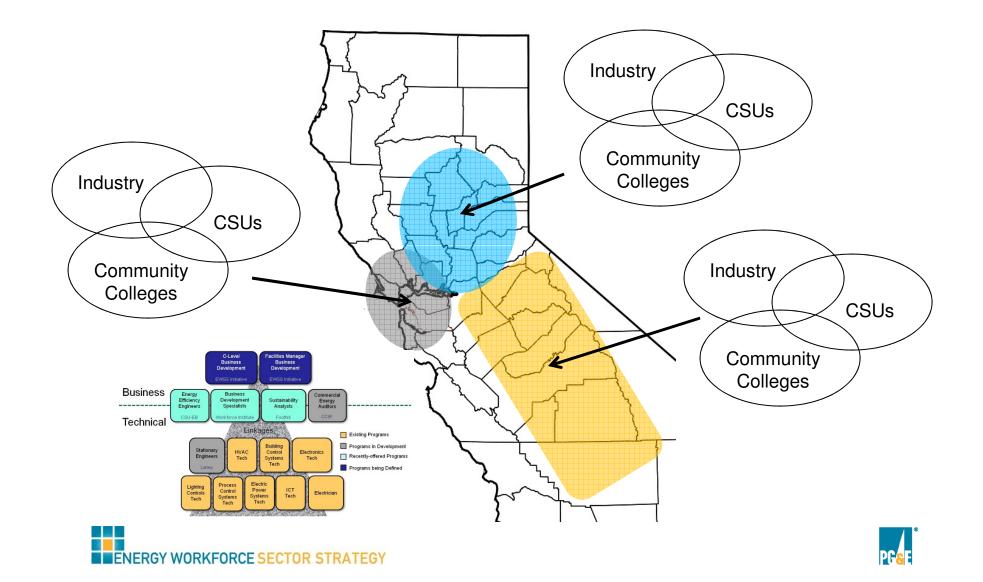
Guidance for Advisory Council

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





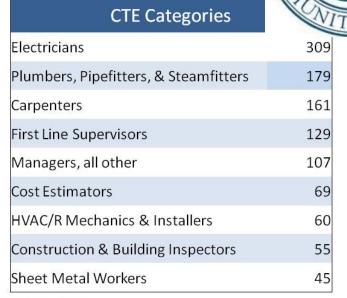
Promote Regional Training





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