Assessment of Jobs Impacts of the Green Jobs Green New York Program

GJGNY Advisory Council Meeting
December 12, 2012
Overall Objectives

- Estimate the number of jobs resulting from GJGNY-funded program activities
- Determine other jobs impacts, including on wages and worker skills
- Examine availability of skilled workers
- Estimate jobs created in disadvantaged communities in the state
- Estimate macroeconomic impacts, such as on economic activity and tax revenue
Step 1: Identify Sectors with Direct GJGNY Job Impacts

- Identify NYSERDA programs and initiatives with GJGNY components including:
  - Workforce Development
  - Constituency Based Organizations (CBO)
  - Home Performance with ENERGY STAR
  - Multifamily Performance Program
  - Small Commercial/Not-for-Profit
  - Outreach
  - Marketing
  - Financing
Step 2: Identify Trade Allies and Program Partners

- Identify the specific trade ally groups, program partners, private-sector firms, or not-for-profit organizations that benefit directly from those programs identified in Step 1.

- Some activities include:
  - Free or reduced-cost comprehensive energy audits
  - Energy efficiency installation services
  - Low-interest financing to support the installation of energy efficiency improvements
  - Workforce development initiatives; including job placement and outreach
  - Constituency-based organizations

- Include groups associated with NYSERDA and utility programs.
Step 3: Develop Attribution Methodology

Provisional Methodology for Direct Jobs Impacts

• Determine the jobs impacts of the programs that can be attributed to GJGNY versus other funding sources

• Factors:
  – Number of funding sources
  – Age of program(s)
  – Timing and introduction of GJGNY components
Step 4: Review Secondary Sources

- Information available from secondary data sources may include:
  - CBO SharePoint Site
  - Department of Labor
    - Data from One-stop centers
    - Quarterly Census of Employment and Wages (QCEW)
  - Program tracking data
  - Training partner data
  - Research studies
Step 5: Conduct Primary Data Collection

• Surveys to assess hiring and retention
  – Coordinated with current NYSERDA evaluation studies
  – Sample design: identifiable economically disadvantaged communities are of particular interest
    • Informed using data from LIFE, CBO activity, DOL One-stop Centers, etc.
Step 5: Conduct Primary Data Collection (Cont.)

- Targeted groups may include participating home performance contractors, QA contractors, participating trade allies

- Questions and Topics:
  - Number of jobs added that can be attributed to GJGNY
    - Industry, job types and occupational categories
    - Permanent and temporary, full- and part-time, seasonality
    - Location of new jobs and contractor service territory
    - Projection of the number of jobs to 2015
  - Other job-related information including hourly wage levels of jobs, challenges recruiting skilled workers
  - Firmographics
Step 6: Integrated Estimate of Direct Job Impacts

- Integrated estimate of job impacts by analyzing and triangulating the secondary and primary data
- Attribution methodology will consider GJGNY versus other program funding sources
- Results will include:
  - Direct job impacts and hourly wages of new jobs by NAICS code (NYS specific)
  - Direct job impacts by NYS region and disadvantaged communities
  - Impacts on wage levels, improved worker skills, etc.
  - Projected direct job impacts to 2015
Step 7: Estimate Macroeconomic Impacts

Direct jobs and wage differentials will be used to determine the total impacts of GJGNY (direct + indirect + induced):

- Employment
- Labor income
- Gross state product
- Gross state product multiplier
- Economic output
- Local, state, and federal tax revenue
Step 7: Estimate Macroeconomic Impacts (Cont.)

- Employment and Gross State Product impacts reported by
  - NYS region
  - Industry sector
  - Disadvantaged community status

- Other economic variables reported for the state overall
Step 7: Estimate Macroeconomic (Cont.) Impacts

Employment impacts will be estimated in terms of:

• Annual jobs in 2013 and 2015
  – Statewide
  – By region
  – By industry sectors
Questions?

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