

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?

Assessment of Direct Jobs

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Economic Impact (Macroeconomic) Analysis

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