

RIT – NENA COPC ACTIVITIES 4.2 & 4.3

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Abstract:

A service learning partnership between RIT and the North East Neighborhood Alliance (NENA) of Rochester New York has led to a multi-year project to assist NENA in its neighborhood redevelopment activities. NENA uses GIS technology to assist in neighborhood planning and urban environmental projects. GIS technology allows data to be displayed spatially for easier analysis of data trends. Recent trends in several demographic and socio-economic characteristics of Sector 10 neighborhoods from recent census data (for example income, poverty status, and housing data) are of particular interest to the NENA Council. Historical neighborhood data and photographs are important to expand the organizations GIS database and capabilities, and necessary to assess the environmental conditions of potential development sites within the neighborhood. To assess the environmental conditions a Phase I Environmental assessment of each parcel according to ASTM standard 1527-00, facilitated by a GIS analysis, is necessary. This process includes a visual on site inspection of the property and research into historical uses.