

**PENNSYLVANIA RESOURCE MANUFACTURING TAX CREDIT:
NEPA IMPACT**

- The job estimates for the overall project include 5,000 - 10,000 construction jobs building the plant, and from 12,000 to 17,000 spinoff jobs depending on how quickly the manufacturing plants follow.
 - At those levels of job creation and assuming one or more cracker's use of natural gas ranges from 60,000 to 85,000 barrels a day, the personal income tax generated by the jobs and the business income tax produced by this activity would match or exceed the proposed credit ceiling.

- Prosperity generated in one region of Pennsylvania will benefit the entire commonwealth.
 - Northeast PA has schools with engineering and chemistry graduates who might want jobs in heavy industry.

 - Suburban plants manufacture much of the pipe used in the Marcellus Shale region.

 - Environmental firms stand to benefit from these expanded business opportunities.

 - Chemical and pharmaceutical manufacturers would benefit greatly from having petrochemical feedstock within such a close proximity.

- According to data and marketing services company InfoGroup, there are 20 plastics companies in Luzerne County 17 more in Lackawanna County.

- Ethylene and other natural gas byproducts are staple supplies of plastics manufacturers, and at this point these companies have to obtain ethylene from crackers in the Gulf Coast and Canada.
- Transportation of ethylene is a complex and expensive business, requiring insulated, vacuum-protected and temperature-specific environments to get the petrochemical from one place to another via rail, road or ship.
- Surely these companies will benefit from having the primary building block of their plastics manufacturing business – ethylene – available from a cracker a few hundred miles away rather than thousands of miles away.
- A prime example of this statewide impact and benefit is Proctor & Gamble.
 - This company is already taking advantage of the abundant resource of natural gas by fueling operations with its own natural gas well.
 - Company executives say the manufacturer would stand to achieve significant cost-savings just by having ethylene closer to home, cost-savings that translate into opportunity for further capital investment, including company expansion and new jobs in northeastern Pennsylvania
- Finally, a March 2012 study by Wells Fargo Securities estimated that Marcellus Shale development could help grow Pennsylvania employment by 570,000 jobs or more by 2020 – that’s 10 percent of the PA workforce – as drilling and development increases demand for services and professions like hospitality, leisure, engineering and surveying.