



Where energy meets innovation.

Natural Gas for Vehicles

April 6, 2011

There is a lot going on right now



	Mar		Apr		May	
Nationally -						
Natural Gas Act 2.0			6 th			
NGV's Take the Hill				15 th		
ANGA NGV Marketing Analysis				?		
Pennsylvania -						
PA NGV Road Map Report			5 th			
Marcellus Works 2.0			6 th			
NGV Initiative Forum			7 th			

Acceleration of NGV growth requires deliberate action in areas where past industry focus was absent or misaligned.

Over 50 utilities & producers are working in four key areas:

- Infrastructure Development
 - OEM Outreach
 - Legislative Advocacy
 - Marketing and Education
-



Clean American Transportation Alliance (CATA)

PA NGV Projects

Partially funded through State of PA DEP AFIG Program



\$700K grant to build CNG fueling station / convert fleet



- Public CNG fueling station in Pittsburgh Strip District
- 33 CNG fleet vehicles



\$1.4MM in grants to build a public CNG station / convert fleet

- Public-access CNG station in Crafton, PA
- 28 CNG trucks and passenger vehicles



\$700k grant to build a public CNG station / convert trucks

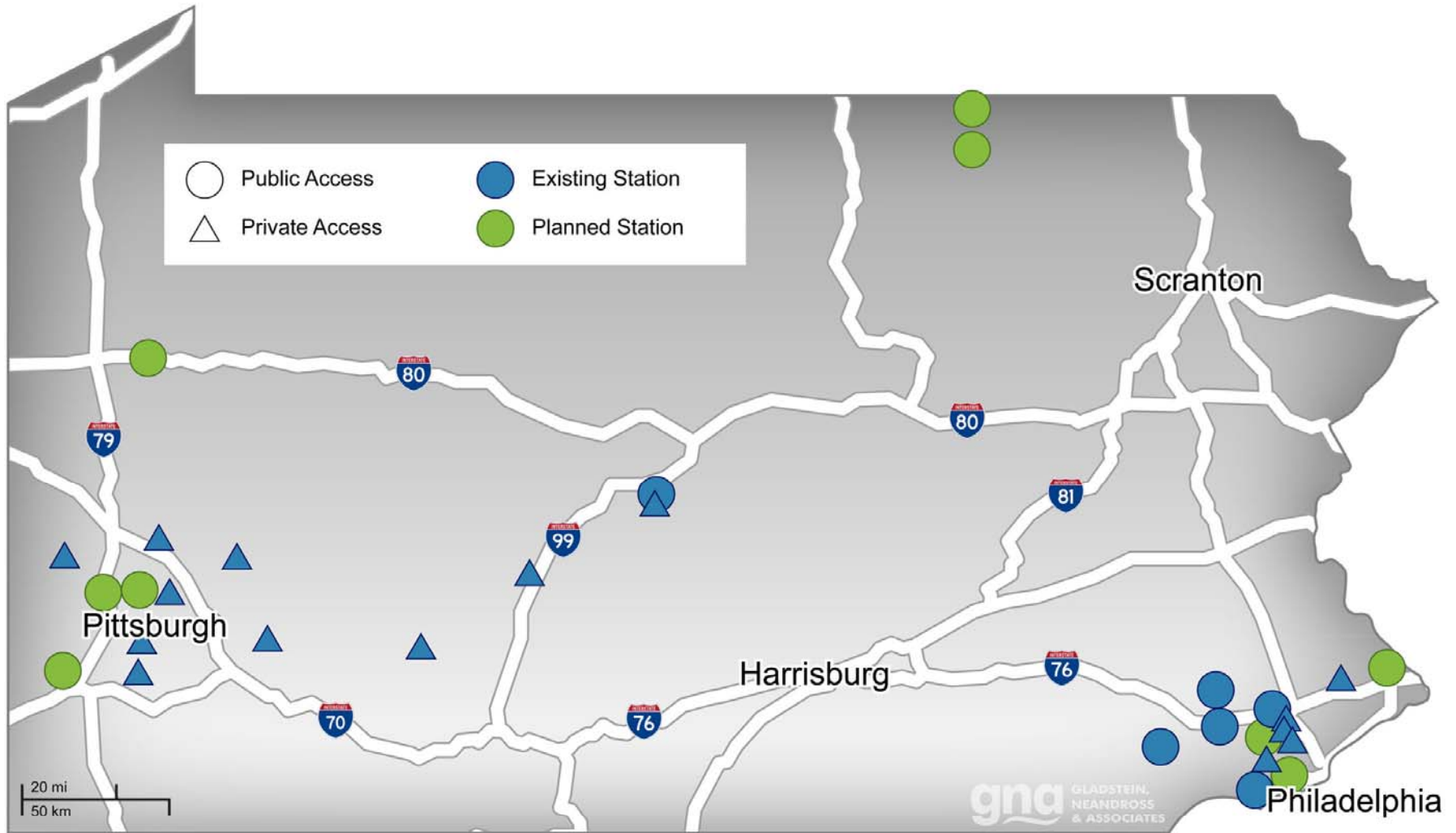
- Public CNG fueling station at its hauling facility in Washington, PA
- 30 refuse trucks operating on natural gas



\$750k for Endless Mountains Transit Authority

- Public CNG fueling station (built by Dandy Mini Marts) in Towanda or Sayre
 - Convert 5 public transit buses to CNG
-

CNG Fueling Stations in Pennsylvania



Source: NGV Roadmap for Pennsylvania Jobs, Energy Independence and Clean Air – 2011 – by Gladstein, Neandross & Associates

Objective

- How Pennsylvania can become a leader in NGVs
- Policy & legislative ideas for PA legislative session in 2011

Scope

- Quantify job creation & economic impact for the state
- Develop a model for NGV development
- Business models & financing options others have adopted
- Benefits: Energy independence & environmental benefits