

# *Protect our Environment, Health, & Communities from the Adverse Impacts of Gas Drilling*

## How Can You Help?

*If you're new to working on local issues and are not sure how to start, attend meetings of local groups such as Shaleshock, get on the listserv, talk to people already involved, and read some of the suggested material on the web.*

### **Use this guide to find the tasks and actions needed for local activism that best match your time availability and skills.**

- Inform Yourself and Your Acquaintances
- Inform the Public Directly on the Impacts of Gas Drilling
- Inform the Public through the Media
- Gather and Share Information
- Help Shaleshock by Fund Raising, Donating, Bookkeeping, Working on the Website
- Gather Baseline Data, Monitor Drilling, & Report Problems
- Map Gas Leases and Collect Lease Data
- Interest Local Businesses in Gas Drilling Issues
- Involve Cornell University, Ithaca College, & TC3 Faculty, Staff, Students, and Alumni
- Help Your Town Mitigate the Impacts of Gas Drilling
- Change State & Federal Laws Regulating Drilling
- Strengthen DEC and EPA Regulation of Gas Drilling
- Work to Affect State and National Energy Policy

- “▶” = Level of Difficulty and/or Time Commitment; shading indicates simplest tasks
- “◆◆◆” = Task for which we would greatly appreciate help from people with some professional or technical knowledge
- text = Tasks that require the least amount of time and/or effort

## **Inform Yourself & Acquaintances**

### **Educate Yourself About the Gas Drilling Issue:**

- ▶ See the websites [www.shaleshock.org](http://www.shaleshock.org) and [www.tcgasmap.org](http://www.tcgasmap.org), to begin.
- ▶ Join the Shaleshock listserv: go to [www.shaleshock.org](http://www.shaleshock.org), click on “Get Involved,” and choose a listserv under “Join our mailing list.”
- ▶▶ Join a “Shaleshock 101” class through Shaleshock. {Contact: Ryan [clover56@riseup.net](mailto:clover56@riseup.net)}
- ▶▶ Watch the documentary *Rural Impact* on the effects of gas drilling on a rural community; free copies are available at the Shaleshock Office above Autumn Leaves bookstore on the Ithaca Commons. Or, request a copy by mail by contacting Shaleshock at: [shaleshock08@yahoo.com](mailto:shaleshock08@yahoo.com)

### **Spread the Word Among your Friends and Acquaintances:**

- ▶ Make sure your friends are aware of the impacts of gas drilling: talk to them, send them information.
- ▶▶ Reach out to groups you belong to (clubs, church groups, organizations, co-workers) with a letter, email, newsletter article, or other information.

### **Talk with your Neighbors about Gas Leasing:**

- ▶ Make sure that your neighbors understand the potential adverse impacts and get their water tested before drilling; some may change their minds about leasing, others may be more alert to potential problems when drilling begins.
- ▶▶ Help your neighbors who don't want to continue leasing to understand how to ensure that their leases will end on the expiration date. At [tcgasmap.org](http://tcgasmap.org), click on ”To Find More Lease Info.”

- ▶▶▶ Get together blocks of neighbors who choose not to lease, to help fight compulsory integration.  
{Contact: Sandy or Bill [tcgasm@frontier.com](mailto:tcgasm@frontier.com)}
- ▶▶▶ Form a coalition of people throughout the community who choose not to lease, to fight compulsory integration.  
{Contact: Sandy or Bill [tcgasm@frontier.com](mailto:tcgasm@frontier.com)}

### Participate in the Listening Project:

*(Going door-to-door to listen to neighbors' thoughts on gas drilling & the future of the community;*

<http://www.shaleshock.org/the-listening-project/>)

{Contacts: Autumn: [autumnstoscheck@yahoo.com](mailto:autumnstoscheck@yahoo.com)

Megan: [penny3@yahoo.com](mailto:penny3@yahoo.com)}

- ▶ Participate or get practice with the existing Listening Project in Van Etten.
- ▶▶ Help to organize Listening Projects in other towns and villages.

## Inform the Public Directly on the Impacts of Gas Drilling

### Create or Give Presentations to the Public:

{Contact: Risa [risaso@lightlink.com](mailto:risaso@lightlink.com)}

- ▶ Organize bringing a speaker from Shaleshock to your neighborhood, club, workplace...
- ▶▶ Develop general presentations (notes and/or slides) for people to use when speaking to groups.
- ▶▶ Develop presentations (written or visual) for specific audiences: school groups, seniors, business groups...
- ▶▶ Create visual aids (slides, diagrams, photos, posters) for use at forums, film showings, tabling.
- ▶▶ Give presentations, serve on panels, be interviewed for media (we receive many requests).
- ▶▶▶ Write a children's book on the impacts of gas drilling.
- ▶▶▶ Help to organize public information forums, either on gas drilling impacts in general, or on specific topics (e.g. legal issues, local geology, effects of chemicals, air quality). {Contact: Sara [sarahess63@yahoo.com](mailto:sarahess63@yahoo.com)}
- ◆◆◆ Create a DVD, which could be shared widely, from videotaping a Shaleshock presentation.

**Help with Tabling:** *(Sitting at a table in a public place and talking to people, handing out brochures, accepting donations, selling bumper stickers and yard signs, and signing up people for the listserv and to help with projects.)*  
{Contact: Ryan [clover56@riseup.net](mailto:clover56@riseup.net)}

- ▶ Help to staff a table on the Ithaca Commons, at forums, in Greenstar, at festivals, other?.....
- ▶▶ Organize a tabling event: line up people for time slots, bring handouts.
- ▶▶▶ Coordinate tabling for Shaleshock: choose times and places and find an organizer for each.

### Help with General Publicity (Bumper Stickers, Videos, etc.):

- ▶ Help design and/or distribute bumper stickers.  
{Contact: Margaret [mmccasla@twcny.rr.com](mailto:mmccasla@twcny.rr.com)}
- ▶ Help to design, produce, and/or distribute yard signs.  
{Contact: Ken [kenz@zeserson.com](mailto:kenz@zeserson.com)}
- ▶ Help to design, produce, and/or distribute posters.  
{Contact: Sandy [sgp4@cornell.edu](mailto:sgp4@cornell.edu)}
- ▶▶ Create very short videos (interviews with people affected by drilling, drilling operations, spills and problems, Shaleshock media events, etc.) and post them on *YouTube*.

## Inform the Public through the Media

### Help with Media Outreach: Placing Info in Newspapers, TV, Radio, Blogs...

- ▶ Write letters to the editor.
- ▶ Write press releases about Shaleshock events and gas drilling news.
- ▶▶ Develop a media contact list for Shaleshock use and keep it current.
- ▶▶ Communicate with similarly-minded websites to be sure information about Shaleshock is there, and announcements and events are listed, when appropriate.

- ▶▶ Respond to ads, editorials, news reports, etc. that promote natural gas and/or give false info. **IMPORTANT!!**
  - ▶▶ Write articles for local papers, newsletters, blogs...
  - ▶▶▶ Write ads for radio, television, and newspapers.

- ▶▶▶ Develop working relationships with local reporters and share information with them.

- ▶▶▶ Coordinate media outreach  
**(THIS IS A TOP PRIORITY!!).**  
*{If interested, contact Lisa [thewriterwrites@yahoo.com](mailto:thewriterwrites@yahoo.com)}*

### Help Plan Events to Attract Media Attention:

*(Creative events to increase public awareness and draw media attention: demonstrations, publicity stunts, concerts, showings of "Split Estate," an event organized around giving bottled water to people in Dimock, PA whose wells are contaminated) {Contact: Jim [jandjweiss@frontiernet.net](mailto:jandjweiss@frontiernet.net)}*

- ▶ Volunteer at a media event.
- ▶ Join the Shaleshock media events working group to help think up, plan, and carry out media events.
- ▶▶ Organize an Ithaca showing of the new documentary *Water Under Attack*, by Josh Fox. <http://waterunderattack.com/>
- ▶▶▶ Plan your own media event, working with members of the community.

## Gather and Share Information

### Carry Out Web Searches and Information

#### Summaries:

- ▶ **Read and Summarize Articles:** For Shaleshock listserv and websites: Shaleshock and tcgasmag.
- ▶ **Gas Company Lobbying:** Research (mostly on the web) how much money gas companies spend on lobbying; share info with Shaleshock listserv and other activists for use in presentations and media outreach.
- ▶▶ **FRAC Act Wording:** Research the legal meaning of "chemical constituents" in the FRAC Act and share with Shaleshock listserv and other activists. See: [www.govtrack.us/congress/bill.xpd?bill=s111-1215](http://www.govtrack.us/congress/bill.xpd?bill=s111-1215)
- ▶▶ **Green Alternatives:** Read up on green alternatives to current drilling techniques and write a short summary for Shaleshock listserv and others.
- ▶▶ **Economics:** Read up on economic problems brought to communities by natural gas extraction; share with

Shaleshock members for use in presentations and media outreach.

- ▶▶ **Life Cycle Analysis:** Read up on life cycle analysis of natural gas versus coal or oil: how much does each contribute to global warming and other environmental and social problems throughout its entire cycle, from extraction to use and disposal? Share info with Shaleshock listserv.
- ▶▶▶ **Statewide Polling:** Look into commissioning a statewide poll to determine the % of people who (1) know what hydrofracking is, (2) think it should be banned, and (3) think it is ok as currently done. Compare responses in areas directly affected by drilling with responses in areas not directly affected, as one aspect.

### Carry Out Research Projects:

- ◆◆◆ **Green Alternatives:** Research feasibility of green alternatives being used on Marcellus Shale.
- ◆◆◆ **Economics:** Research economic benefits and problems brought on by gas drilling.
- ◆◆◆ **Health Impacts:** Research the health impacts of existing gas drilling operations on people living nearby.
- ◆◆◆ **Societal Impacts:** Conduct sociological research on the impacts of large-scale gas drilling on rural communities.
- ◆◆◆ **Life Cycle Analysis:** Facilitate or carry out further research analyzing the impacts of different fossil fuels (even compared to alternative energy such as solar and wind) over their lifetimes.
- ▶▶▶ **Statewide Polling:** Hire someone to carry out a statewide poll (see above).

### Help Provide Professional Information to Local Gas Drilling Activists:

- ◆◆◆ **Legal Information:** If you are an attorney or have legal training, please help us to understand and share with the public what lease clauses mean, how towns can better protect themselves, in what ways leaseholders are liable for damages, how compulsory integration can be fought, how citizens can enforce regulation and law violations, and how we can act to change the laws and regulations. *{Contact: Helen [holden.slottje@gmail.com](mailto:holden.slottje@gmail.com)}*
- ◆◆◆ **Financial/Real Estate/Insurance Information:** If you are in finance, banking, insurance, or real estate, please

help us to understand how gas leasing and drilling affect the selling and buying of land, home and liability insurance, getting a mortgage or loan, and personal liability.

## **Help Shaleshock by Fund Raising, Donating, Bookkeeping, and Working on the Website**

### **Donate Money:**

- ▶ Make a tax-deductible donation to Shaleshock for projects:
  - (1) Make out a check to Social Ventures, Inc.
  - (2) Write "Shaleshock" on the memo line. You may designate funds to a particular project if you wish.
  - (3) Send the check to Social Ventures, c/o Sara Hess, 124 Westfield Drive, Ithaca, NY 14850. Include your name and address and you will receive a receipt for your tax file.
- ▶ Make donations to environmental organizations helping to oppose or get stricter regulations on gas drilling (for a list, see [www.shaleshock.org](http://www.shaleshock.org) or [www.tcgasmap.org](http://www.tcgasmap.org)). Some large groups allow you to designate that your money be spent on gas drilling issues.

### **Raise Money:**

- ▶▶ Help to write small grants for specific Shaleshock projects.
- ▶▶ Help to organize fund raising events for Shaleshock.

### **Help with Shaleshock Administration:**

- ▶ Help maintain the Shaleshock office above Autumn Leaves.  
{Contact: Ryan [clover56@riseup.net](mailto:clover56@riseup.net)}
- ▶ Help to manage Shaleshock's increasing donations and bookkeeping needs.  
{Contact: Ryan [clover56@riseup.net](mailto:clover56@riseup.net)}
- ▶ Help to respond to calls received on the Shaleshock hotline: people requesting information or asking how to help.  
{Contact: Andrew [aob2@humboldt.edu](mailto:aob2@humboldt.edu)}
- ▶▶ Help write, edit, and produce the Shaleshock newsletter.  
{Contact: Ryan [clover56@riseup.net](mailto:clover56@riseup.net)}
- ▶▶ Help to organize, edit, or maintain the Shaleshock website.  
{Contact: Ari and Shira [info@shirari.com](mailto:info@shirari.com)}

## **Gather Baseline Data, Monitor Drilling, & Report Problems**

*(Note: We expect some watchdog projects to be set up in the future, probably as a joint venture of Shaleshock and [tcgasmap.org](http://tcgasmap.org), to keep track of local problems created by gas drilling; whatever information on environmental, economic, or social issues that you gather should be posted to them. If you are interested, you could help now to set up this type of system, working with these two groups.)*

### **Gather Baseline Data on Air, Water, Soil, and Levels of Radioactivity:**

- ▶ Encourage your neighbors to get their drinking wells tested shortly before and during gas drilling.  
([www.communityscience.org](http://www.communityscience.org))
- ▶▶ Work with your town to gather baseline data on levels of air pollution and radon, and to make sure all surface waters are tested before gas drilling begins.
- ▶▶ Become a volunteer lake or stream water quality monitor.  
{Contact: [www.communityscience.org](http://www.communityscience.org)}
- ▶▶▶ Learn about air pollution monitoring and set up a local monitoring effort using kits and information from: [www.bucketbrigade.net/article.php?list=type&type=9](http://www.bucketbrigade.net/article.php?list=type&type=9)  
Report results to watchdog website.
- ▶▶▶ Start a local effort to sample and analyze soils near drilling sites for contamination. Report to watchdog website. Use equipment and information from: <http://www.bucketbrigade.net/article.php?id=428>
- ▶▶▶ Look into monitoring for radioactivity in soil and water, and for radon gas; if feasible, set up local efforts.

### **Watch Over Drilling Operations & Report and Document Problems:**

- ▶ Watch DEC's website for local well permits (Region 7): <http://www.dec.ny.gov/enb/enb.htm> Report these to the Shaleshock listserv and to [www.tcgasmap.org](http://www.tcgasmap.org) to keep them up to date.
- ▶ When drilling begins, watch well sites and take photos: post problems to [www.tcgasmap.org](http://www.tcgasmap.org).
- ▶ Publicize drilling problems directly in the media, or by sharing info with the media outreach group.

- ▶ Know the drilling regulations and report violations to the Shaleshock listserv or [www.tcgasmap.org](http://www.tcgasmap.org).
- ▶ Report drilling regulation violations to DEC.
- ▶▶ Make a FOIL (Freedom of Information Law) request to DEC for each well permit application in Tompkins County and post a list of chemicals to be used on the watchdog website; develop a database of chemicals used.

## Map Gas Leases & Collect Lease Data

(website: [www.tcgasmap.org](http://www.tcgasmap.org))

{Contact: Sandy or Bill [tcgasmap@frontier.com](mailto:tcgasmap@frontier.com)}

- ▶ Help to gather data on gas leases from 2000 through 2004 at the Tompkins County Clerk's Office.
- ▶ Help to gather data on recently signed gas leases at the Tompkins County Clerk's Office.
- ▶ Help to decide how to structure a website where people can report incidents (accidents, spills, etc.).
- ▶▶ Design a photo gallery web page to organize and display pictures of gas drilling in the region.
- ▶▶ Help determine additional important information to gather and add to the mapping part of [www.tcgasmap.org](http://www.tcgasmap.org).
- ▶▶▶ Inspect map data and figure out different ways to use it to inform the public, such as showing trends.
- ◆◆◆ If you have computer skills (especially experience with the mapping program Manifold), help to develop new layers and maps for the website.

## Interest Local Businesses in Gas Drilling Issues

- ▶ Contact individual local businesses (e.g. farms, including organic farms; wineries; the tourism industry; businesses that depend on tourism) or business associations (such as the Downtown Ithaca Alliance) to be sure they understand how gas drilling may negatively affect them.
- ▶▶ Give presentations to business groups on the impacts of gas drilling.

- ▶▶ Work with businesses to address concerns they share with gas drilling activists (e.g. traffic, crime rates). For more info: <http://nercrd.psu.edu/Publications/rdppapers/rdp43.pdf>

## Involve Cornell University, Ithaca College, & TC3 Faculty, Staff, Students, and Alumni

{Contact: Michelle [michelle.bamberger@gmail.com](mailto:michelle.bamberger@gmail.com)}

- ▶▶ Reach out to students, faculty, and alumni of both Cornell and Ithaca College, to encourage them to pressure their colleges not to put gas leases on their land. Cornell owns 11,000 acres in Tompkins County that could be affected.

### Students:

- ▶ Contact the Cornell Daily Sun, the Ithacan (IC student newspaper), and college radio stations; send articles or information to encourage them to print articles on gas drilling.
- ▶▶ Contact or give presentations to student clubs and organizations to make them aware of gas-drilling issues and to involve them in activism.

### Faculty and Staff:

- ▶▶ Make individual contact (preferably by phone, but possibly by email) with Cornell and Ithaca College faculty who have worked on or spoken about environmental/social justice issues in the past, to involve them in gas drilling activism, or in helping to provide information to activists.
- ▶▶ Recruit faculty with technical expertise on environmental, social, economic, or policy aspects of gas drilling to carry out research or to give presentations on these issues.
- ▶▶ Help to organize a group of academics willing to participate in gas drilling activism to best use their skills and limited time (drawing on individual contacts already made).
- ▶▶ Ask faculty senate members to motivate their faculty colleagues to pressure Board of Trustees members to not lease college land. Members of Cornell Senate: <http://theuniversityfaculty.cornell.edu/meetings/membership.html>  
IC Senate: <http://www.ithaca.edu/hssenate/members/>

## Alumni:

- ▶▶ Track down some people in charge of alumni groups, and try to get their help to reach out to alumni through letters or emails, and to involve them in asking Cornell and Ithaca College not to lease their land.

## Help Your Local Officials to Mitigate the Impacts of Gas Drilling

### Help Your Town/County/City Prepare for Gas Drilling: {Contact: Lisa thewriterwrites@yahoo.com}

- ▶▶ Contact your local officials to make sure they are preparing for gas drilling: setting up overweight vehicle taxes; enhancing emergency response preparedness; collecting baseline data on land, air, and water quality; identifying sensitive areas; and developing road use and real property tax regulations to shift the huge costs of gas drilling from property tax payers to gas companies.
- ▶▶ Urge your town board members to join the Tompkins County Council of Governments (TCCOG) Gas Drilling Working Group. {TCCOG Contact: Don Barber supervisor@townofcaroline.org}
- ▶▶▶ Work with your town government to help members identify Critical Environmental Areas.
- ▶▶▶ Encourage and assist your local officials to communicate with state and federal officials on needed regulations and legislation.
- ▶▶▶ Join or start a gas drilling task force of citizens in your town to address local impacts.
- ▶▶▶ Join your town's planning board or get elected to the town board to affect policy.

### Help Towns to Restore Home Rule: (The right of citizens to determine what occurs within their own towns, and to determine the regulations to oversee those activities; see www.celdf.org) {Contact: Eric brew bird@yahoo.com}

- ▶▶ Join groups already working on enacting home rule ordinances in their towns, as in Danby and Van Etten.
- ▶▶ Form a group in your town to develop laws that restore home rule.

## Change State & Federal Laws Regulating Gas Drilling

### Pressure Legislators to Sponsor New or Existing Bills (see issues below):

- ▶▶ Fax, call, or email your legislators. (You also can use snail mail to write your state officials, but letters to federal officials take too long to clear security).
  - ▶▶ Write sample letters to send to politicians; post on listserv and Shaleshock website; send to friends.
  - ▶▶ Organize letter-writing sessions on a particular topic: get a few people together; or plan and publicize a session, writing letters to politicians, articles for newspapers, or editorials.
  - ▶▶ Meet with your legislators or organize a group of people to meet with a legislator.
- ▶▶▶ Help to organize a legislative action section on the Shaleshock website, keeping up with current issues and bills, posting sample letters, and reporting on the status of different pieces of legislation.  
(A VERY HIGH PRIORITY!!)

### State Issues to Address through Legislation or Ballot Initiatives:

- Increase the number of DEC gas and oil inspectors (currently 17 for the more than 13,000 active wells in NY State).
- Eliminate compulsory integration for shale gas drilling.
- Eliminate the use of eminent domain for siting pipelines and compressor stations (this is governed by the Public Service Commission, not the DEC).
- Amend New York Environmental Conservation Law 23-0303 to restore the ability of local governments to enforce zoning, noise, and other local ordinances to protect their residents and sensitive areas from gas drilling.
- Make local governments automatically become involved agencies for SEQR review, which increases their ability to require mitigation measures in sensitive local areas.
- Require that local government officials be notified when a drilling permit is requested within their jurisdiction rather than expecting communities to monitor the Environmental Notice Bulletin.

- Support favorable State Assembly bills and try to get equivalents proposed in the State Senate.  
(See [www.tcgasmap.org](http://www.tcgasmap.org); then the “Links” page, and then “Pending Legislation.”)
- Look into the possibility of having a ballot initiative to ban hydraulic fracturing (not all drilling) in NYS (if not forever, at least until much more data on environmental and health effects are available, and until truly green alternative extraction processes are developed).

### **Federal Issues to Address through Legislation:**

- Pass the FRAC Act: H.R. 2766 and S.1215. These bills repeal the Safe Drinking Water Act Exemption for gas and oil and require public disclosure of the “chemical constituents (but not the proprietary chemical formulas) used in the fracturing process.”
- Repeal the gas industry exemptions from other environmental laws: Clean Water Act (including wetlands protection), Clean Air Act, Superfund Law (CERCLA), Resource Conservation and Recovery Act (RCRA), and the Toxic Release Inventory of the Right to Know Act.

## **Strengthen DEC and EPA Regulation of Gas Drilling**

### **Comment on the SGEIS:**

(See: <http://www.dec.ny.gov/energy/58440.html>)

- ▶ Call or fax DEC, the governor, and relevant state and federal officials and ask to extend the SGEIS comment period to 90 or 120 days, or 6 months (as recommended by Barbara Lifton).
- ▶ If you don’t feel able to read parts of the SGEIS or to write your own comments, encourage friends with some technical expertise to comment on the SGEIS.
- ▶▶ If you don’t feel able to read parts of the SGEIS, use analyses and comments from environmental or citizen action groups to develop comments to send to the DEC; see [www.tcgasmap.org](http://www.tcgasmap.org), click on “Draft SGEIS Information” and see under “Articles about the SGEIS.”

- ▶▶ Read the SGEIS (or parts of it) and send in comments to DEC before Nov. 30 (see [www.tcgasmap.org](http://www.tcgasmap.org), and click on “Draft SGEIS Information” for how to make comments).
- ▶▶▶ Organize a small group of citizens to divide up the SGEIS, share information, and write comments jointly.
- ◆◆◆ If you have technical expertise, comment on the sections of the SGEIS to which your experience is relevant.
- ◆◆◆ Help to organize a group of academics to make technical comments on the SGEIS (see “Involve Cornell University, Ithaca College, & TC3 …” below).

### **Pressure the EPA to Address Hydraulic Fracturing:**

- ▶ Call/fax/email the EPA to request that they do a comprehensive review of the impacts of hydraulic fracturing and deep well injection on the environment and public health.
- ▶▶ Begin a campaign to pressure EPA to review hydraulic fracturing (see above).

## **Work to Affect State and National Energy Policy**

- ▶ Fax/email/call/meet with state and/or federal legislators to get life cycle analyses of fossil fuels incorporated into state and national energy policy.
- ▶ Fax/email/call/meet with state and/or federal legislators to shift the focus from use of transitional fossil fuels to alternative green fuels, such as solar and wind power.

**Note that although many actions in this booklet are described with respect to Tompkins County, they could apply equally to any area within the Marcellus Shale.**

## Links for More Information

### General Information:

#### **Shaleshock Citizens' Action Coalition**

Grassroots activist group covering the Finger Lakes and Southern Tier. Listserv, meetings, working groups, forums, public education, and presentations. [www.shaleshock.org](http://www.shaleshock.org)

#### **The Marcellus Accountability Project for Tompkins County**

Includes a basic overview of the drilling process, potential negative impacts, map of leased land parcels in Tompkins County, and links to more specific resources. [www.tcqasmap.org](http://www.tcqasmap.org)

#### **Catskill Mountainkeeper**

Brief intro to the processes and risks related to gas extraction in the Marcellus Shale. <http://www.catskillmountainkeeper.org/node/290>

#### **Chenango, Delaware, Otsego Gas (CDOG)**

A comprehensive website with well-organized information and photos. [www.un-naturalgas.org](http://www.un-naturalgas.org)

### Current Information/Research:

**The Community Science Institute** Recommendations on baseline water testing for drinking water wells and surface water.

<http://www.communityscience.org/gaswells.html>

#### **The Oil and Gas Accountability Project**

Public Health and Toxins:

<http://www.earthworksaction.org/Health%20and%20Toxics.cfm>

Best Practices, Regulatory Reform:

<http://www.earthworksaction.org/bestpractices.cfm>

**The Endocrine Disruption Exchange** In-depth data on chemicals used in natural gas operations.

<http://www.endocrinedisruption.com/chemicals.fracturing.php>

**A Series of Investigative Reports on Gas Drilling** by Abraham Lustgarten for ProPublica <http://www.propublica.org/series/buried-secrets-gas-drillings-environmental-threat>

## Links (continued)

**Energy Boomtowns and Natural Gas** Research on socioeconomic impacts and implications for rural communities & local government. <http://nercrd.psu.edu/Publications/rdppapers/rdp43.pdf>

#### **Headwaters Economics Study**

Study comparing the economies of western counties that relied on gas extraction for economic growth to similar counties that did not. [www.headwaterseconomics.org/energy/HeadwatersEconomics\\_EnergyFocusing.pdf](http://www.headwaterseconomics.org/energy/HeadwatersEconomics_EnergyFocusing.pdf)

#### **Cornell University Cooperative Extension Natural Gas Development Resource Center**

Information on development and leasing of the Marcellus, as well as adverse impacts; numerous links to documents and other web sites. <http://gasleasing.cce.cornell.edu/>

### Government Regulation and Reports:

#### **DEC's Draft Supplementary Generic Environmental Impact Statement ( dSGEIS)**

Released September 30, 2009 (this is the entire 809-page document): <ftp://ftp.dec.state.ny.us/dmn/download/OGdSGEISFull.pdf>

To download parts or find info on commenting:

<http://www.dec.ny.gov/energy/58440.html>

**NYC Department of Environmental Protection** A 90-page report summarizing the drilling process and adverse impacts on water resources from shale gas extraction operations, including information on the geology and hydrology of the NYC watershed [http://www.nyc.gov/html/dep/pdf/natural\\_gas\\_drilling/rapid\\_impact\\_assessment\\_091609.pdf](http://www.nyc.gov/html/dep/pdf/natural_gas_drilling/rapid_impact_assessment_091609.pdf)

### Contact Information for Public Officials:

<http://www.shaleshock.org/wp-content/uploads/2009/07/tompkins-county-elected-officials.pdf>

### Personal Story of Living with a Gas Well:

<http://newyork.sierraclub.org/Sierra%20Atlantic/SierraAtlantic-2009-Fall.pdf>

A Van Etten resident describes her experiences w/ a gas company.