

# **FINANCIAL INJUSTICE**

**PECO / EXELON**

**VICTIMIZE RATEPAYERS AND TAXPAYERS**

**PECO/EXELON AND THEIR EXECUTIVES MAKE A FORTUNE  
OPERATING LIMERICK NUCLEAR PLANT  
AT OUR EXPENSE**

**THEY SOCIALIZE ALL COSTS AND EXPENSES  
AND PRIVATIZE ALL THE PROFITS**

**CORPORATE WELFARE AT ITS WORST**

**Ratepayer / Taxpayer Costs Related To  
Limerick Nuclear Plant Operations  
Are Astronomical  
Yet Ignored In Cost / Benefit Analyses**

## **PECO/Exelon Reap Huge Profits While We Pay For:**

- 1. Their Cost of Doing Business From Construction, Endless High-Level Radioactive Waste Storage, Decommissioning**
- 2. Consequences Of Radiation Poisoning To Our Environment and Our Health**
- 3. Damage To Vital Drinking Water Sources**
- 4. Unfair Tax and Liability Evasion**
- 5. In Essence, Huge Executive Bonuses, Campaign Contributions, and Donations**

## **ALL PUBLIC COSTS NEED TO BE EVALUATED IN HARMS VS BENEFITS ANALYSES FOR RELICENSING**

**In Reality, Total Harms And Financial Costs To The Public FAR OUTWEIGH Claimed Benefits Of Limerick Nuclear Power Plant.**

## **FINANCIAL DECEPTION**

**WE PAID THE LION'S SHARE FOR LIMERICK CONSTRUCTION  
WHILE PECO/EXELON REAPED HUGE PROFITS**

**HIDDEN COSTS IN OUR ELECTRIC BILLS**

### **✓ CONSTRUCTION COSTS**

**RATEPAYERS PAID THE LION'S SHARE IN ELECTRIC BILLS  
From 1985 to 2010 For Limerick's \$6.84 Billion Construction Costs**

**BY 1997 OUR ELECTRIC BILLS ROSE TO 55% HIGHER THAN  
THE NATIONAL AVERAGE BECAUSE OF PAYING FOR LIMERICK.**

## ✓ **DECOMMISSIONING COSTS**

**ARE STILL HIDDEN In OUR MONTHLY ELECTRIC BILLS**

# **PECO/EXELON - COSTLY LIES AND DECEPTIONS**

## **1. "TOO CHEAP TO METER" – A SHAMEFUL LIE**

Before Limerick was licensed, this region was told that by accepting Limerick Nuclear Plant and its risks, this region's electric would be too cheap to meter. Limerick started operating in 1985.

**Instead of too cheap to meter, By 1997,**  
**OUR ELECTRIC RATES SKYROCKETED to 55%**  
**HIGHER THAN THE NATIONAL AVERAGE**

Mercury 9/28/97 by Erik Engquist

### **Limerick Construction Costs**

1960s Original Estimate to the Public - **\$ 326 Million Rising** - Then **\$375 Million**

**Final Construction Costs \$6.84 BILLION**

**20 Times Higher Than Original Estimate** - (Reported 1999 Mercury)

**PECO Ratepayers In This Region, In Their Monthly Electric Bills From 1985 to 2010, Paid the Lion's Share Of The \$6.8 Billion For Limerick Nuclear Plant Construction. We Were Forced To Pay For What Should Have Been PECO/Exelon's Cost Of Doing Business.**

## **2. FAIR SHARE OF TAXES WERE NEVER PAID FOR LIMERICK NUCLEAR PLANT**

**IT APPEARS PECO/EXELON SHIFTED MORE THAN \$300 MILLION ON TO THE BACKS OF LOCAL TAXPAYERS OVER THE PAST 25 YEARS.**

- Exelon Failed To Pay \$14 Million A Year (2002 to 2011), And PAID ZERO From 1985 to 2002.
- ZERO Property Taxes Were Paid For Limerick From 1985 to the early 2000s.  
In 1999 PECO Actually Claimed Limerick Nuclear Plant Property Was Worth \$0

- Then Through A Court Settlement, Exelon Started Paying, \$3 Million A Year - NOT The \$17 Million Original Estimate

**PECO/EXELON CONTRIBUTIONS TO COMMUNITY ORGANIZATIONS OVER THE PAST 25 YEARS HAVE BEEN PALTRY BY COMPARISON.**

**3. TAXPAYERS COVER THE LION'S SHARE OF LIMERICK'S LIABILITY INSURANCE THROUGH THE PRICE ANDERSON ACT.**

- An Accident or Terrorist Attack Leading To Meltdown At Limerick Could Cost Taxpayers As Much As A Trillion Dollars (Latest NRC Estimate)

**4. TAXPAYERS/RATEPAYERS ARE OBLIGATED TO CONTINUE TO PAY ASTRONOMICAL COSTS FOR DEALING WITH LIMERICK NUCLEAR PLANT'S DEADLY RADIOACTIVE WASTES FOREVER.**

**5. THE NUCLEAR INDUSTRY SUED TAXPAYERS (DOE) OVER YUCCA MOUNTAIN NOT OPENING.**

**THE FINANCIAL INJUSTICE IS ASTONISHING.**

**To Store Their Own Deadly Radioactive Wastes On Their Own Nuclear Plant Sites, Exelon Got Millions Of Taxpayer Dollars.**

- Exelon Received \$300 Million Until 2010 - \$600 Million After
- Who Pays To Deal With Your Waste?

**6. EXELON TRIED TO GET OUR PA STATE LEGISLATURE TO PAY \$500 MILLION (BORROWED MONEY) TO HELP PAY FOR THEIR UPRATES TO RUN LIMERICK HARDER.**

**7. PAST, PRESENT, AND FUTURE WE PAY FOR EXTRAORDINARY ENVIRONMENTAL DAMAGE AND HEALTH HARMS CAUSED BY LIMERICK NUCLEAR PLANT.**

# **IT SHOULD BE NO SURPRISE**

**WHY MOST SO MANY ELECTED OFFICIALS**

**TURN A BLIND EYE AND FAIL TO PROTECT  
THE PUBLIC AND THE ENVIRONMENT**

**FROM LIMERICK NUCLEAR PLANT'S  
EXTRAORDINARY THREATS AND HARMS**

## **\$\$ The Money Trail \$\$**

**Explains How And Why We Are Financially Victimized**

**It Shows How Wealthy, Greedy Corporations  
Use Your Money To Victimize You**

- **PECO / Exelon Gets BILLIONS From The Public**  
As Both Taxpayers and Ratepayers
- **Politicians Get MILLIONS From PECO / Exelon**  
\$645 Million in the Past Decade - Election Cycles and Lobbying
- **Community Groups Get PENNIES On The Dollar**  
Donations From PECO / Exelon For Turning A Blind Eye
- **Average Citizens Get Higher Energy Costs And  
Ever-Increasing Harms**

# **FOLLOW The MONEY...**

**Taxpayers / Ratepayers,**

**To PECO / Exelon,**

**To Elected Officials,**

**To The Nuclear Industry,**

**(In Subsidies / Loans / Waste Storage / Liability Coverage / Clean-Up Costs)**

**To Community Donations (Pennies On The Dollar)**

**For Silence And Support**

- ✓ Exelon Makes Enormous Profits
- ✓ Exelon CEOs Make Excessive Compensation
- ✓ Exelon Avoids Costs For Fair Taxes, Liability, and Endless Radioactive Waste Storage
- ✓ Exelon Makes Enormous Political Contributions
- ✓ Exelon Buys Silence and Support by Donating to Community Groups

## **BUT AT THE END OF THE MONEY TRAIL...**

- **As Ratepayers, You Continuously Get Higher Electric Bills**
- **As Taxpayers, You Pay Higher Taxes and Face Unprecedented Liability Costs For A Limerick Meltdown**
- **As Residents, You Pay More For Increased Health Care And You Face Losing Your Home and All Your Possessions In the Event Of A Limerick Disaster**

**Don't Be Fooled By Spin And Distortion From Greedy Corporations Like Exelon, Or Their Supporters With A Vested Interest In The Outcome**

**Get The Facts From Reliable Public Interest Sources On Your Side**

- **Political Contributions To Candidates - Follow The Money - [www.opensecrets.org](http://www.opensecrets.org)**
- **Candidates Environmental Positions - League Of Conservation Voters (LCV) [www.lcv.org/campaigns](http://www.lcv.org/campaigns) or PHONE: 202-785-8683**

# Exelon Donations

## To Our Region's Candidates Just For (2007-2008)

James Gerlach	U.S. Congressman (R) 6th District	\$24,349
Joe Pitts	U.S. Congressman (R) 16th District	\$7,200
Charles Dent	U.S. Congressman (R) 15th District	\$6,000
Tom Quigley	State Representative	\$5,750
Andrew Dinniman	State Senator	\$3,000
John Rafferty	State Senator	\$2,000
Tim Hennessey	State Representative	\$1,950
Mike Vereb	State Representative	\$1,500
Tom Corbett	Attorney General (R) (running for Governor)	\$7,550

## Exelon's Total Political Contributions

Just One Elections Cycle 2007-2008

Total Contributions To Parties		\$ 493,438
Republicans	\$ 316,438	
Democrats	\$ 177,000	
State-Level Party Contributions		
Republican PA House Campaign Committee	\$ 13,788	
PA Republican Party	\$ 6,000	
Total Contributions to Candidates		\$ 2,220,581
Total to PACs		\$ 159,300
Subsidiaries of EXELON		\$ 832,233
PECO to PA Senate Republicans	\$ 10,300	
Employees of EXELON		\$ 158,643
Federal Contributions By Employees and PACs of Exelon		\$ 1,536,167
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	<b>2007 - 2008 Total</b>	<b>\$ 5,400,362</b>

- **It's Clear Why So Many Of Our Lawmakers Fail To Take Action Against Limerick Nuclear Plant Threats To Public Health, Safety, and Financial Interests!**
- **If Exelon Can Afford To Donate Over \$5 Million Dollars To Elected Officials In One Campaign Cycle, Then Exelon Can Afford To Do What Is Necessary To Prevent Unnecessary Harms From Limerick Nuclear Plant!**

**Exelon Is Using Your Money  
To Buy Support To Poison You More  
And Increase Threats To Your Future From Unprecedented  
Environmental and Financial Risks!**

**Why Is Exelon Donating So Much Money To Elected Officials  
And Community Groups?**

**Exelon Is Buying Silence and Support For The Following  
Dangerous Requests To Government Agencies, Related To  
Limerick Nuclear Power Plant.**

1. UPRATES to Run Limerick, an aging nuclear plant, Even Harder
2. RELICENSING to Operate Limerick Even Longer - Until 2049
3. DRASTIC INCREASES In Dangerous Wastewater Discharges Into the Schuylkill River, A Source Of Drinking Water For Almost 2 Million People From Pottstown to Philadelphia.
4. DANGEROUS AIR POLLUTION INCREASES  
PM-10 - 8 Times Higher From Limerick's Cooling Towers
5. INCREASED CONTAMINATED MINE WATER PUMPING INTO THE SCHUYLKILL RIVER TO OPERATE LIMERICK NUCLEAR PLANT.
6. EXELON WANTS TO FURTHER DAMAGE THE SCHUYLKILL RIVER:
  - ✓ Reduce Low-Flow Restrictions While Continuing Drastic Depletion Because Of Cooling Towers
  - ✓ Eliminate Temperature Restrictions While Continuously Heating The River With Radioactive Discharges
  - ✓ Reduce Monitoring Requirements To Avoid Full Disclosure Of Damage
  - ✓ Eliminate Public Participation To Avoid Accountability

**Approvals of Exelon's Requests Would Clearly Drastically Increase Serious Health, Safety, and Financial Threats To Everyone In Our Region For Generations.**



# **EXELON'S ENDLESS GREED**

## **Enormous Exelon Profits**

2008    **\$2.7 Billion**  
2009    **Over \$2 Billion**  
2010    **Over \$2 Billion (Expected)**

## **Exelon CEO Pay**

**\$ 12.2 Million** '08 Compensation  
**\$ 12 Million** '09 Compensation

- ✓ **While Exelon Cut 500 Jobs in 2009**
- ✓ **While Electric Rates Were Raised**
- ✓ **While Exelon Tried To Grab Hundreds Of Millions From PA Taxpayers For "Uprates".**

- **Why Would Exelon Expect PA Legislators To Even Consider Borrowing Hundreds of Millions on Behalf of PA Taxpayers To Pay For Nuclear Plant Uprates?**
- **Why Would Taxpayers Increase Debt For Limerick Nuclear Plant Uprates? Uprates Will Result In Increased Threats To Everyone In Our Entire Region**
  - **Increased toxic threats to water, air, soil and health**
  - **More deadly radioactive wastes stored in our backyard**
  - **Increased risk of meltdown due to mechanical failure - running the nuclear plant harder.**
  - **Costs for Limerick Nuclear Plant Uprates should come from Exelon's enormous profits and CEO bonuses, not from taxpayers. Uprates will eventually increase Exelon profits.**

**With Billions In Profits and Millions In CEO Pay Each Year, Exelon Should Be Paying Their Fair Share Of Taxes and Stop Grabbing Taxpayer Money For Their Costs Of Doing Business.**

## **For Example - Unbelievable Taxpayer Injustice**

**It Isn't Fair That We Are Forced To Pay Exelon Hundreds Of Millions To Store Limerick's High-Level Radioactive Waste On-Site**

**Taxpayers are footing the bill for Exelon to turn our region into a high-level radioactive waste dump at Limerick Nuclear Plant Through Legal Fees.**

**\$ 300 Million**    Nuclear Waste Disposal - Legal Fees to Exelon  
**\$ 600 Million**    More Potential Legal Fees To Exelon

# **PECO/Exelon Get Away With Highway Robbery**

## **Ratepayer Rip-Offs**

- **\$ 6.8 Billion - Limerick Nuclear Plant Construction**  
Ratepayers Paid Large Portion - Reported 1999
  - **\$ 5.6 Billion - PECO Overcharging Customers?**  
Stranded / Transition Costs Reported 2010
  - **\$ 30 Billion - Ratepayers To Nuclear Waste Fund**  
To Store Nuclear Industry's Own Deadly Waste (Reported 2005)
- **Shameful Continuous ELECTRIC RATE HIKES**  
Even As So Many People Are Losing Homes and Businesses

# **PECO Scam / Rip-Offs**

## **1. PECO Actually Claimed Limerick Nuclear Plant Was Worth: \$\$\$ ZERO**

### **PECO's Shameful Property Tax Scam Hurt Taxpayers**

#### **For Limerick Nuclear Plant 600 Acre Property Tax**

- PECO failed to pay its fair share in taxes for Limerick Nuclear Plant's 600 acre property, leaving other Limerick Taxpayers to pick up the burden.
- The \$6.8 Billion Limerick Nuclear Plant's Original Assessment Was \$939.4 Million
- 2001, PECO Finally Agreed To Pay \$2.5 Million - Less than 1% of assessed value.
- Even after the intent to evade millions in property taxes, in 2010 PECO / Exelon shamelessly took credit in a photo-op for donating \$15,000 to the Springford School District.

## **2. PECO OVER-COLLECTED \$5.6 Billion From Ratepayers?**

### **Huge Ratepayer Rip-Off**

Reported in Mercury 9-2-10 - According to legal action

Overcharges Were Listed On Every Ratepayer Bill As Stranded / Transition Charges

## **3. PECO INCREASED ELECTRIC RATES AGAIN - January, 2011 While Reporting Huge Profits and Executive Bonuses**

### **PECO's Greed Is Shameful**

**In Spite of a Financial Crisis For The Middle Class and Working Poor,  
PECO Raised Electric Rates And Continued Huge CEO Pays.**

Instead of accepting less profit and giving less CEO pay, PECO is telling us to use less and apply for hardship loans from the government.

## **PA LAWMAKERS**

**Stand By And Allow Taxpayers and Ratepayers  
To Continue To Be Victimized by PECO/Exelon.**

**Before You Vote,  
ASK EVERY CANDIDATE**

- 1. Will You Stop Corporate Socialism?  
Will You Stop Giving Our Tax Dollars and  
Subsidies To Exelon To Operate Limerick?**
- 2. Will You Fight To Get Exelon To Pay For  
Filtration and Other Important Safeguards  
Or CLOSE Limerick Immediately?**

# **NUCLEAR POWER WOULDN'T EXIST WITHOUT ASTRONOMICAL TAXPAYER GIVEAWAYS**

**The nuclear industry is reaping enormous profits at our expense.**

**Wall Street rejects the nuclear gamble, so costs for new nuclear power plants and their deadly wastes will continue to come from the wallets of ordinary Americans.**

**For over 50 years the nuclear industry received the lion's share of taxpayer funding. From 1943 to 1999 the U.S. government paid nearly \$151 BILLION (1999 dollars), in ENERGY SUBSIDIES.**

Of this total:

- ✓ **96.7% went to nuclear power.**
- ✓ **3.3% went to wind and solar.**

## **EXAMPLES OF COSTS TO YOU AS TAXPAYERS AND RATEPAYERS:**

1. **Paid by taxpayers and ratepayers - The astronomical costs for dealing with the nuclear industry's massive amounts of high-level radioactive wastes that remain deadly for hundreds of thousands of years.**
  - \$100 Billion estimated for Yucca Mountain just for 15 years - \$70 Billion Taxpayers, \$30 Billion Ratepayer Fund.
  - EPA set a million-year health standard. How much will it cost future generations to deal with the nuclear industry's ever growing piles of deadly wastes?
2. **The Price Anderson Act absolved the nuclear industry from major liability costs for accidents or terrorists attacks.**
  - In 2004 dollars, the calculated cost for an accident or attack at Limerick would be OVER \$800 Billion. NRC's most recent estimate was over \$1 Trillion.
  - The nuclear industry would pay only the first \$12 Billion.
3. **Federal loan guarantees** would be required for \$8 Billion of an estimated \$10 Billion for the proposed PA new nuclear reactor along the Susquehanna. Actual costs could be far higher. That energy wouldn't even be available until 2016, at the earliest.
  - Nuclear industry lobbyists are perpetrating an unconscionable scam on taxpayers.

- Billions of our tax dollars (possibly over a trillion) are planned to be used for building nuclear plants, long-term high-level radioactive waste storage, liability, and more.
4. **Health costs** related to routine and accidental radiation emissions into the air, water, and soil around nuclear plants are unmeasurable, but overwhelming.
- For cancer increases since Limerick Nuclear Power Plant went on line [www.acereport.org](http://www.acereport.org)
  - For powerful connections read - *"Radioactive Baby Teeth: The Cancer Link"* by Joseph Mangano, Radiation and Public Health Project. Or visit [www.radiation.org](http://www.radiation.org)
5. **Environmental damage** is too costly to calculate. Limerick Nuclear Power Plant provides examples. What are long-term future costs to taxpayers and residents around nuclear plants for:
- Insatiable water needs running the Schuylkill River dry
  - Massive radioactive wastewater discharges (5 billion gallons each year) poisoning the river
  - Heated wastewater discharges damaging ecosystems
  - Contamination of the river with massive amounts of unfiltered toxic mine water to supplement the flow for Limerick Nuclear Plant
  - Radiation emissions routinely and accidentally poisoning our air, water, soil, food, and bodies
  - Limerick Nuclear Plant's major air pollution under the Clean Air Act - Permit includes: NOx, PM10, VOCs, SO2, Arsenic, Cadmium, Chromium, Lead, PCBs, Halogens

## **What Are The True Public Costs?**

### **Past, Present, Future**

**Over 26 Years? 40 Years? 60 Years?**

### **For Costly Health and Environmental Damage From Limerick Nuclear Plant? Included:**

**1. Radioactive Air Releases**

**Plus: Particulate Matter (PM-10) Air Emissions From Cooling Towers 8 Times Higher Than Originally Permitted - Causing increased hospitalizations and emergency room visits**  
**Plus: NOx, SO2, VOCs, Arsenic, Cadmium, Chromium, Lead, PCBs, Halogens**

**2. Radioactive Discharges (24/7) Into Public Drinking Water For Almost 2 Million People.**

**Plus: Total Dissolved Solids (TDS) at 4 Times Safe Drinking Water Standards**  
**Plus: A dangerous toxic soup that ends up in waste water from 92,000 to 194,000 pounds of hazardous chemicals used at Limerick every day.**

3. **Schuylkill River Depletion - Concentrating Toxics  
Increasing Costs For Water Treatment Systems and Their  
Customers and Higher Health Care Costs For Many**
4. **Rising Schuylkill River Temperatures  
Damage to Ecosystems and Loss of Fish and Wildlife**
5. **Contaminated Unfiltered Mine Water Pumping For Limerick  
Adding Harms to River, Health, and Costs for Public Water**
6. **Radioactive Groundwater and Well Contamination  
Diminished Property Values, Health Care, Water Filtration**
7. **Ever-Growing DeFacto High-Level Radioactive Waste Dump  
For Which Exelon Expects The Public To Pay to Maintain Forever**
8. **Liability - Hundreds of Billions (Just 1 Reactor) Accident / Attack**
9. **Loss of Property Use and Possessions with NO Insurance  
Coverage From Accident or Attack on Reactors & Wastes**

## **WHAT ARE HEALTH CARE COSTS?**

**FOR SHOCKING SKYROCKETING NUMBERS OF**

# **CANCERS**

**ABOVE THE NATIONAL AVERAGE NEAR LIMERICK NUCLEAR PLANT  
AFTER LIMERICK STARTED OPERATING IN 1985**

**CANCER RATES SKYROCKETED  
NEAR LIMERICK NUCLEAR PLANT,**

**AFTER LIMERICK STARTED OPERATING IN 1985  
AND ROUTINELY RELEASING RADIATION.**

# **WHAT ARE THE TRUE COSTS?**

## **EXAMPLE:**

## **COST OF CHILDHOOD CANCER**

### **COSTS FOR ONE CHILD**

### **Diagnosed With Cancer At 6 Months Old**

To Date - Reported to ACE in 2009 - Modestly Calculated and On-Going

**Over \$2,200,000.00**

#### **Types of Costs Incurred and Listed In Parents' Calculation**

- Bone Scans – Nuclear Medicine put in port for IV scans Iodine Blocker and Radioactive Iodine (4-Day Procedure)
- Surgeries – Biopsy for port inside body
- Chemotherapy – Cycle 1-2-3-4
- Bone Marrow Aspirations – 12" needle into spine to check for cancer cells in bone marrow
- Anesthesia for surgeries and scans and bone marrow aspirations, etc.
- Cat Scans – MRI Scans
- Medicines in Hospital and Out
- Medicines for Surgeries and Port-- and Scans
- Bills for surgery and Surgeon
- Doctor visits
- Hospital Stays For: Chemo Fever Sickness Surgeries Etc.
- Surgery to remove tumor and Surgeon bill
- Doctor visits- and medicines there on etc.. still seeing Doctor every 6 months
- Labs --billing for this throughout diagnoses and still on going

**What we have seen in this community related to childhood cancers:**

- Parents lost jobs as a result of missing too much work from trips to Children's Hospital and Doctor's offices.
- Phone and electric services were removed as a result of not having enough money to pay bills
- Loss of their homes
- Parent Separations and Divorces
- Children not being able to attend school or even graduate because they can't be in school enough from compromised immune systems and fear of getting sick from germs.
- Paying for and losing tuition for a child who had a relapse

# **Childhood Cancer Rates**

**Skyrocketed To 92.5%  
Above The National Average  
(From 1985 to The Late 1990s)**

**In 6 Communities Close To Limerick Nuclear Plant,  
Limerick Started Operating in 1985**

**MULTIPLY COSTS FOR ONE CHILD WITH CANCER  
Times Costs For All Children With Cancer Over The National Average.**

## **Cancer Rates**

**For 8 Of The Most Common Cancers In The U.S.**

**Are Also Far Higher In All Populations**

**Than The National and Tri-County Averages**

**ACE ASKED NRC TO DO THE MATH!**



**For Limerick Nuclear Plant's  
Updated Environmental Impact Statement  
NRC Is Doing A Cost vs Benefits Analysis  
Only NRC Has No Intention Of Comparing  
All The Astronomical Costs To The Public**

**ACE Asked NRC To Calculate and Include All Health Care Costs To The Public For All Cancers Above The National Average (1985 to 2010) In The Same 6 Communities Near Limerick.**

**While This Wouldn't Begin To Disclose All The Unnecessary Health Harms and Costs, We Believe It Would Show That Exelon's Claims Of Financial Benefits To Our Region Would Pale By Comparison To Unnecessary Health Care Costs Due To Limerick Nuclear Plant Poisoning Our Air, Water, Soil, Vegetation, Food, Fish, Milk, and People With Radiation and Other Dangerous Pollution.**

**The Following Studies  
Are Starting To Answer Critical Questions  
About Public Costs For Pollution  
That Our Region Faces As A Result Of  
Living Near Limerick Nuclear Power Plant.**

**HOW MUCH DO ENVIRONMENTAL DISEASES AND DISABILITIES**

# **COST THE PUBLIC?**

## **ECONOMIC COSTS**

**Of Diseases and Disabilities Attributable To**

**Environmental Contaminants**

**Conservative Estimate Nation Wide Up To**

**\$165 Billion**

Study Prepared In 2003 - By Washington State Researchers [www.nwcphp.org/nph](http://www.nwcphp.org/nph)

# **COSTS**

**OF PREVENTABLE CHILDHOOD ILLNESSES**

**"The Price We Pay For Pollution"**

2003 Report By Rachel Massey and Frank Ackerman

Tufts University Medford MA <http://ase.tufts.edu/gdae>

**Science & Environmental Health Network**

# **ETHICAL ECONOMICS**

## **TRUE COST CLEARINGHOUSE**

**<http://www.sehn.org/tcc.html>**

### **True Cost - Examples**

- ADHD Costly for Adults - Costs for Children
- Air Pollution Costs to Crops
- Air Pollution – Emissions Trading Flawed
- Childhood Environmental Illness
- Cost of Preventable Childhood Illness
- Chronic Disease Costs Drive Health Costs
- Clean Air Act Benefits & Costs
- Environmental Disease Burden and Costs – WHO
- Healthcare Cost Projections and Social Determinants
- Healthcare – Economic Incentive Lacking For Prevention
- Liability – Wastes / Toxic Chemicals
- Liability – Underreporting Environmental Risk Is Costly
- Liability – ‘Lost-Use’ Damages
- Mercury and Children’s Brains
- Ecosystem Assessments
- Clean-Up Costs
- Cost Effective Pollution Prevention
- Property Value Benefits of Clean-up
- Regulation Benefits & Costs
- Greening Costs and Benefits of Schools – Toxic Chemicals Cost More
- Future Costs of Safe Water
- Workplace Exposure Costs to Children

**The Total Costs  
As A Result Of Limerick Nuclear Plant  
Operations Are Incalculable,  
But Clearly Astronomical.**

**Many Dangerous Toxics Continuously Emitted From Limerick Nuclear Plant, Including Radiation, Are Associated With A Broad Range Of Diseases and Disabilities, In Addition To Cancer.**

**EPA Started To Estimate Costs For Some Of Them**

**COSTS: Table of Contents**

## **U.S. EPA Cost of Illness Handbook**

<http://www.epa.gov/oppt/coi/toc.html>

### **ADVERSE DEVELOPMENTAL EFFECTS**

- Low Birth Weight
- Cleft Lip and Palate
- Limb Reductions
- Cardiac Abnormalities
- Spina Bifida
- Cerebral Palsy
- Down Syndrome
- Reducing High Blood Levels In Children

### **RESPIRATORY ILLNESS COSTS**

- Asthma
- Acute Respiratory Diseases
- Hypersensitivity Pneumonitis
- Humidifier Fever
- Legionnaires Disease
- Middle Ear Infections

# **PREVENTION Of Carcinogens And Other Toxics**

**From Being Continuously Pumped Into Our Air And Water  
From Limerick Nuclear Plant**

**COULD MINIMIZE  
UNNECESSARY SUFFERING AND COSTS.**

## **CLOSING Limerick Nuclear Plant Will Minimize Suffering And Costs**

**For A Broad Range Of Unnecessary Diseases and  
Disabilities, Including Cancer, Especially In Children.**

- ACE urged NRC to do a sample evaluation of costs for our documented cancers (above the national average) in the six communities near Limerick Nuclear Plant, from after Limerick started to operate to the late 1990s. ACE provided documented PA Cancer Registry and CDC cancer data that can be used to minimize cost and time for NRC.
- We asked NRC to specifically include all cancers linked to radiation exposure: Childhood cancer, thyroid cancer, breast cancer, leukemia, etc. We believe those costs for just a 15 year period 1985 to 2000, will outweigh all Limerick's inflated donations and underpaid taxes.
- **Information ACE obtained for just one child diagnosed with cancer at 6 months and tracked until two years was well over \$2.2 million dollars. Childhood cancer rates in communities near Limerick rose to 92.5% above the national average by 1999.**

- We also asked that state data, reported by EPA in 2003, be used to calculate the costs for all cases above the state average for infant and neonatal mortality, malignant tumors, cerebrovascular disease and respiratory disease.

**ACE evidence in public hearing comments to NRC for Limerick's Updated EIS should tell anyone that Limerick's extraordinary pollution threats, including radiation and other toxics, are a major factor in cancers and other illnesses above state and national averages.**

## **RELICENSING**

**MEANS EXELON COULD MAKE BILLIONS MORE, AND EXECUTIVES COULD MAKE MILLIONS MORE, BUT**

## **WHAT WOULD IT COST THE PUBLIC?**

**THE MORE RADIATION RELEASED INTO OUR AIR AND WATER THE MORE PEOPLE WILL GET CANCER AND OTHER ILLNESSES.**

## **BEWARE:**

**NRC'S CURRENT CANCER STUDY TACTIC**  
**IS WASTING TAXPAYER DOLLARS**

**CANCER STUDIES COST TAXPAYERS MILLIONS**

**YET, NO CANCER STUDY  
HAS EVER LED TO PREVENTION OR CLEAN-UP!**

1. No cancer study has led to clean-up or prevention of pollution causing the cancers.
2. We keep wasting time and money Counting Cancer Victims, then comparing them to other polluted populations.

- **MONEY SPENT ON CANCER STUDIES WOULD BE BETTER SPENT STOPPING AND CLEANING UP THE RADIATION THAT CAUSES CANCER.**
- **IF NUCLEAR PLANTS ARE CLOSED, TAXPAYERS CAN STOP WASTING MONEY ON CANCER STUDIES AROUND NUCLEAR PLANTS.**

**IN SPITE OF MANY CANCER STUDIES IN THE U.S. AND EUROPE SHOWING HIGHER LEVELS OF CANCERS AROUND NUCLEAR PLANTS, ESPECIALLY IN CHILDREN, NRC IS DOING A CANCER STUDY AROUND NUCLEAR PLANTS.**

- **GIVEN NRC'S TRACK RECORD, THE GOAL IS TO MUDDY THE WATERS AND CLAIM THERE ARE NO LINKS BETWEEN ELEVATED CANCERS AND NUCLEAR PLANTS.**

**ACE CAN PREDICT THE OUTCOMES OF NRC'S CANCER STUDY:**

- ✓ **IT WON'T LEAD TO CLOSING NUCLEAR PLANTS TO PREVENT CANCER.**
- ✓ **IT WON'T LEAD TO RADIATION CLEAN-UP AROUND NUCLEAR PLANTS.**
- ✓ **IT WILL BE ANOTHER "INCONCLUSIVE BY DESIGN" GOVERNMENT CANCER STUDY TO PROVIDE COVER FOR INDUSTRY.**
  - **COSTLY Cancer Studies are inconclusive by design to avoid preventive action by polluters, government officials, and agencies.**
  - **Polluters use inconclusive studies to avoid the costs of pollution control equipment or clean-up.**
  - **A local doctor said it is time we stop wasting money on studies and follow the lead of European countries like Sweden that decided to follow the Precautionary Principle and avoid those things that are known to cause cancer and other illnesses.**
- **WE PREDICT NRC'S BIASED CANCER STUDY CONCLUSIONS WILL BE USED BY THE NUCLEAR INDUSTRY TO DEFEND RELICENSING, SUPPORT BUILDING NEW NUCLEAR PLANTS, AND AVOID COSTS OF CLEAN-UP AND PREVENTING RADIOACTIVE THREATS.**
- **TAXPAYER MONEY SHOULD BE USED TO PROTECT US, NOT NUCLEAR INDUSTRY INTERESTS AND PROFITS.**

**THE ENTIRE PHILADELPHIA REGION FACES:**

**GRAVE DANGER  
UNTHINKABLE LOSSES  
FINANCIAL RUIN**

**BECAUSE OF LIMERICK NUCLEAR PLANT OPERATIONS.**

**POLITICIANS CONTROL DECISIONS**

**OF REGULATORY AGENCIES HANDING OUT PERMITS  
THAT INCREASE RADIATION EMISSIONS  
AND OTHER DANGEROUS POLLUTION DISCHARGES  
AND THAT ALLOW SAFETY RISKS TO INCREASE  
RELATED TO LIMERICK NUCLEAR PLANT.**

**BEFORE YOU VOTE IN ANY ELECTION,**

**KNOW WHO IS ON YOUR SIDE!**

**WATCH WHAT THEY DO!**

**DON'T BELIEVE WHAT THEY SAY!**

- **We NEED Elected Officials On Your Side, Not Exelon's.**
- **We Need Politicians Who Will Fight To Protect Our Interests, Not The Bottom Line Of Exelon and Its CEOs.**



