



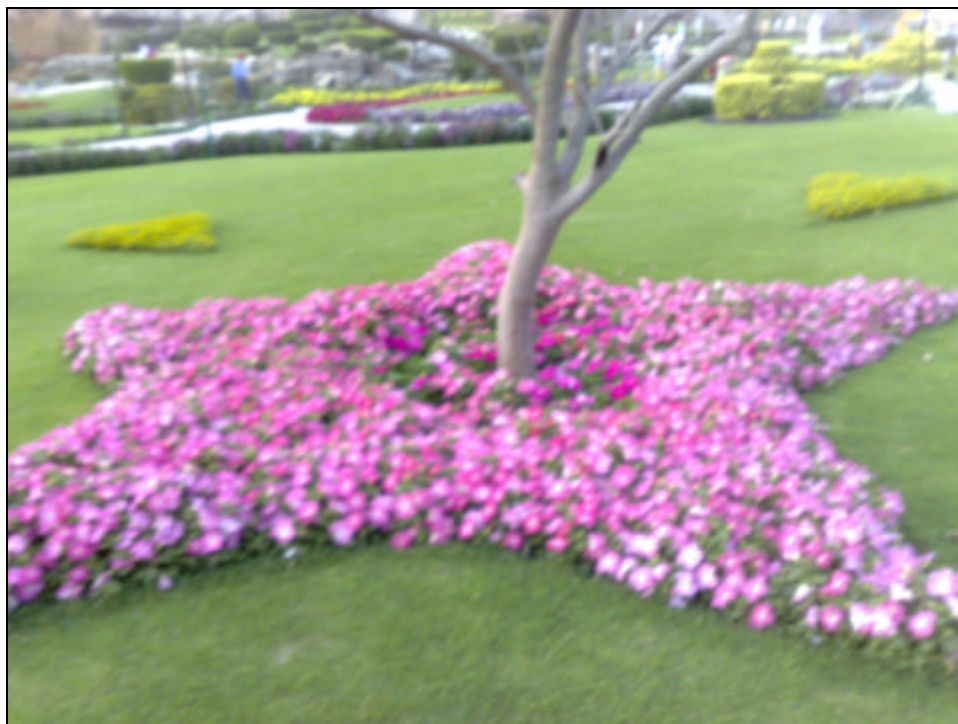
## **ACKNOWLEDGEMENT**

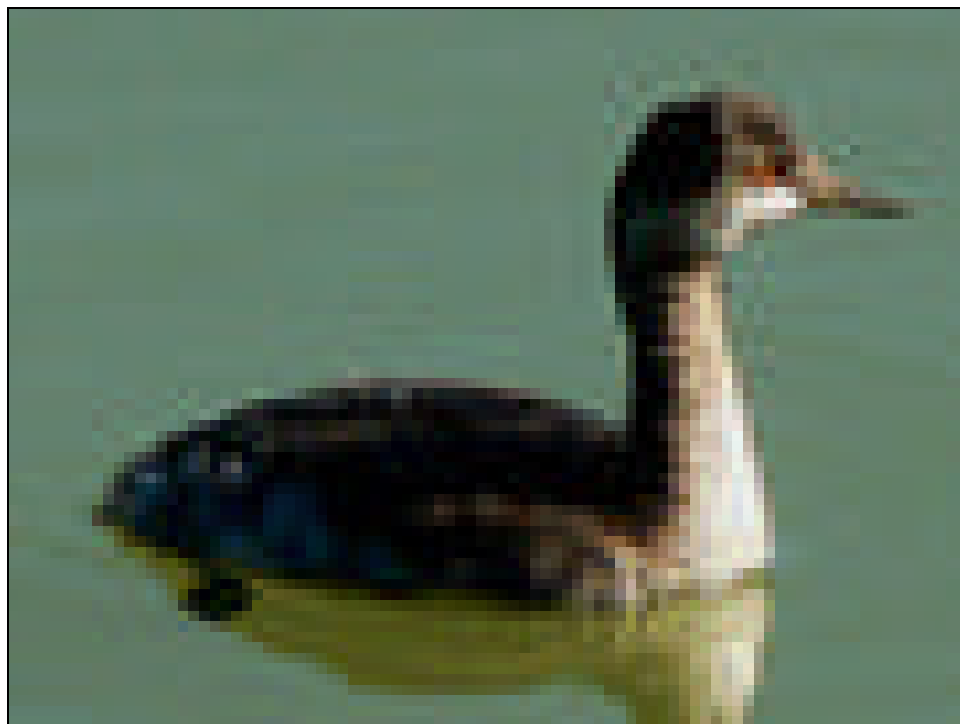
**IN THIS PRESENTATION, SOME OF THE  
DATA, PICTURES, GRAPHS, CLIPS, FRAMES ETC  
HAVE BEEN BORROWED FROM THE FOLLOWING  
SOURCES:**

- UNFCCC site and Documentation,
- Kyoto Protocol, and
- "An Inconvenient Truth", a feature film

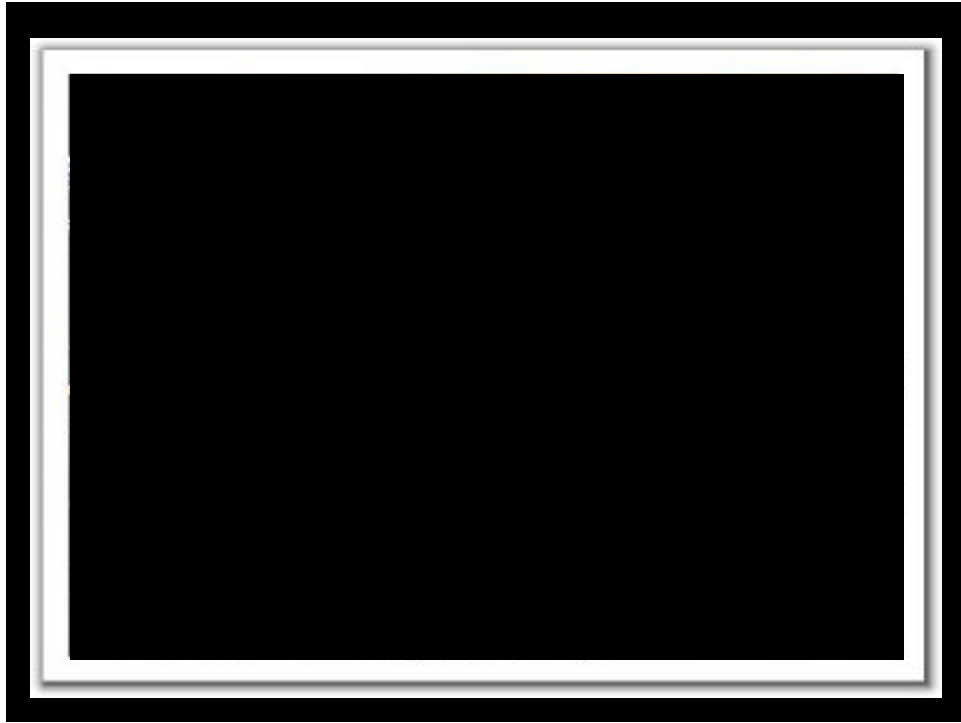
**GENEROUS HELP PROVIDED BY SPECIALISTS OF  
HAGLER BAILLY PAKISTAN  
IS ALSO THANKFULLY ACKNOWLEDGED.**











## G H G EFFECTS

WITHOUT THE GREEN HOUSE EFFECT,  
PLANET EARTH WOULD BE UNINHABITABLE !

BUT AN OVER DOSE OF THE SAME  
IS CAUSING UNDUE HARM  
TO OUR PLANET

THE MOST PRONOUNCED EFFECT WE SEE  
TODAY IS

**GLOBAL WARMING!!**

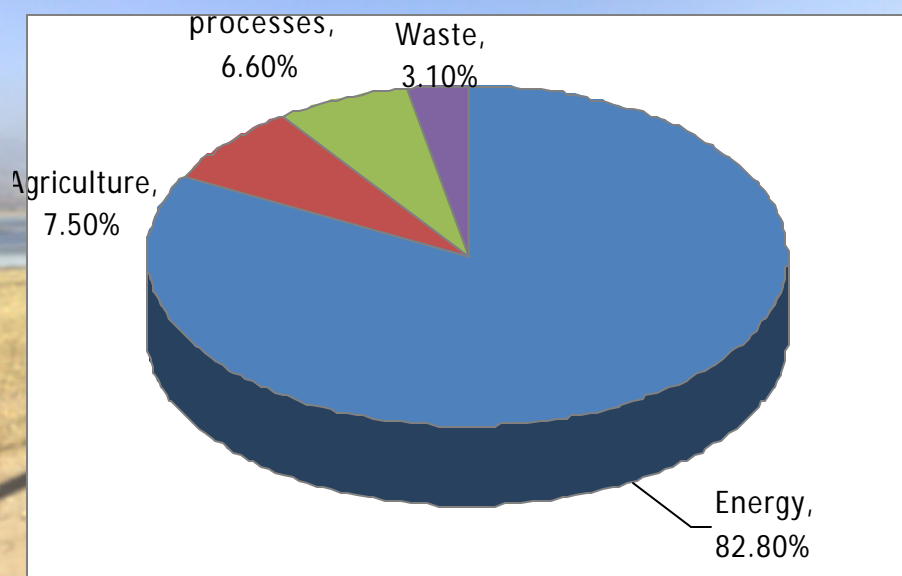
Ten Hottest years on Record Have  
Occurred in the Last 16 Years

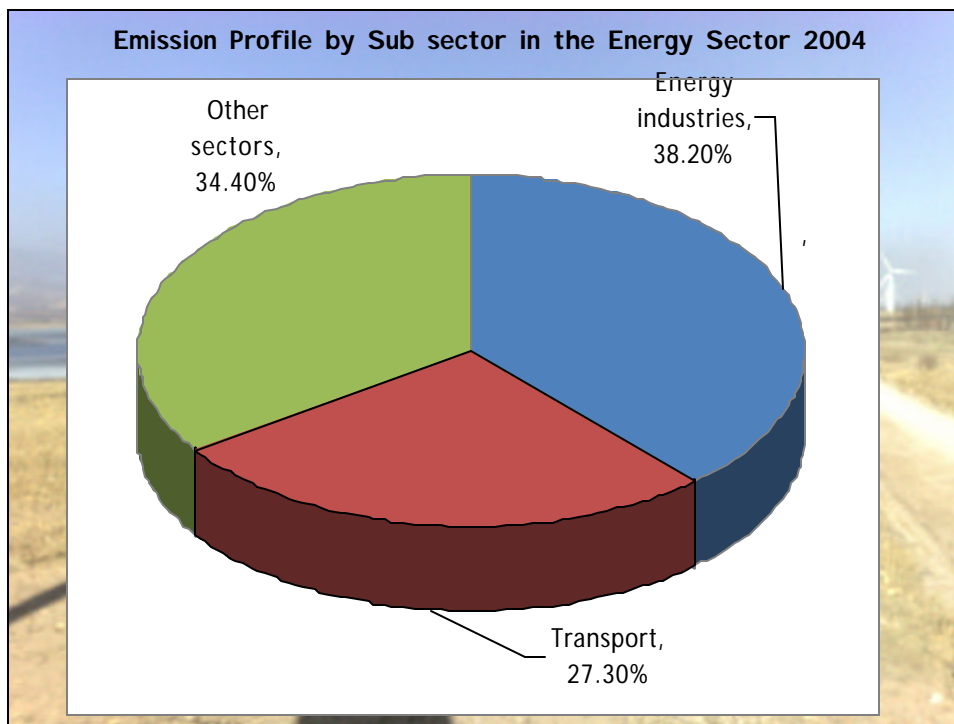
1990	1991	1992	1993
1994	1995	1996	1997
1998	1999	2000	2001
2002	2003	2004	2005

## GHG GASSES

GHG	CO2 equivalent - (contribution to GW)	
CO <sub>2</sub>	1	(50%)
CH <sub>4</sub>	21 times	(18%)
N <sub>2</sub> O	310 times	(06%)
HFCs	Up to 11,700 times	
PFCs	Up to 9,200 times	
SF <sub>6</sub>	23,900 times	

## Emission Profile by Sector 2004





**WE ARE THEREFORE CONVINCED THAT**

**WE HAVE DAMAGED OUR PLANET A PLENTY**

**WE MUST TAKE CORRECTIVE MEASURES URGENTLY**

- GLOBALLY
- AS A NATION, AND
- INDIVIDUALLY

**NOT JUST FOR OURSELVES  
BUT FOR OUR FUTURE GENERATIONS**

**!**

# Kyoto Protocol

The Kyoto Protocol  
is an amendment to the [United Nations  
Framework Convention on Climate Change \(UNFCCC\)](#)

Opened for <a href="#">signature</a>	<a href="#">December 11, 1997</a> in <a href="#">Kyoto, Japan</a>
<a href="#">Entered into force</a>	<a href="#">February 16, 2005</a> .
Conditions for entry into force	55 parties and at least 55% $\text{CO}_2$ 1990 emissions by <a href="#">UNFCCC Annex I</a> parties.
<a href="#">Parties</a>	<a href="#">174 countries and other governmental entities</a> (as of November 2007)

## Relative Ranking of 20 Top Emitters Based on 2000 Greenhouse Gas Emissions

Country	2000 Emissions	Country	2000 Emissions
United States	1	Mexico	11
China	2	Korea (South)	12
Russian	3	France	13
India	4	Indonesia	14
Japan	5	Australia	15
Germany	6	Ukraine	16
Brazil	7	Iran	17
Canada	8	South Africa	18
United Kingdom	9	Spain	19
Italy	10	Poland	20

Source: Climate Analysis Indicators Tool (CAIT) Version 4.0  
(Washington, DC: World Resources Institute, 2007).



## **AS A NATION, WE MUST**

**SET UP GOALS FOR "GREEN" POWER  
FOR THE NEXT 10, 20 AND 30 YEARS**

**GIVE ATTRACTIVE INCENTIVES IN  
THE RENEWABLE ENERGY POLICY**

**INVOLVE CORPORATE SECTOR IN  
THEIR SOCIAL RESPONSIBILITY**

**CAMPAIGN FOR MASS LITERACY IN  
ENERGY EFFICIENCY AND GLOBAL WARMING**



## **INDIVIDUALLY WE SHOULD**

- **RESOLVE TO SUPPORT ENVIRONMENT  
FRIENDLINESS**
- **AVOID WASTE OF ENERGY AT WORK  
AND AT HOME**
- **AVOID ALL ACTIVITIES THAT TEND TO  
INCREASE HARMFUL EMISSIONS**
- **INCULCATE THESE IN OUR CHILDREN  
AS WELL**

## 10 SIMPLE THINGS WE CAN DO

CHANGE A LIGHT BULB	150 LBS CO <sub>2</sub>
DRIVE LESS	1 LB OF CO <sub>2</sub> /MILE
RECYCLE MORE	2400 LBS CO <sub>2</sub>
CHECK TYRE PRESS	3% MORE MILEAGE
USE LESS HOT WATER	850 LBS CO <sub>2</sub>
AVOID PACKAGING	1200 LBS CO <sub>2</sub>
ADJUST THERMOSTAT	2000 LBS CO <sub>2</sub>
PLANT A TREE	1 TON CO <sub>2</sub>
KEEP APPLIANCES OFF	X 1000s lbs CO <sub>2</sub>

BECOME PART OF DRIVE AGAINST EMISSIONS

## ENERGY SAVINGS

1 bulb kept off/home	20 MW
AC Thermostat at 24 from 18	100 MW
Alternate Street Light off	25 MW
Ad hoardings not lighted	20 MW
Shopping Centre Timings 9-5	25 MW
<b>Total</b>	<b>200MW</b>





### Share of Global Emissions: Industrialized, Developing and Top 20 Countries

Indicator	Industrialized 38	Developing 147	Top 20
1990 (excl. land use)	58.7%	40.1%	75.8%
2000 (excl. land use)	51.5%	47.2%	75.4%
2000 (with land use)	41.3%	57.6%	70.4%
1950-2000 (excl. land use)	71.6%	26.4%	80.6%
1950-2000 (with land use)	51.5%	46.7%	73.9%

Source: Climate Analysis Indicators Tool (CAIT)  
Version 4.0 (Washington, DC: World Resources Institute, 2007).