1. Revised Council Agenda 3

   Documents:

   AGENDA 11-15-16.PDF

2. Revised Council Packet

   Documents:

   11-15-16 JOINT COUNIL YCS MEETING PACKET.PDF

Revised 11/15/16

CITY OF YPSILANTI
CITY COUNCIL/YPSILANTI COMMUNITY SCHOOLS MEETING
YPSILANTI INTERNATIONAL ELEMENTARY SCHOOL
503 OAK ST, YPSILANTI, MI 48198
TUESDAY, NOVEMBER 15, 2016
7:00 p.m.

I. CALL TO ORDER –

II. ROLL CALL –

(Ypsilanti City Council)

Council Member Bashert	P A	Council Member Robb	P A
Council Member Nicole Brown	P A	Council Member Vogt	P A
Council Member Murdock	P A	Mayor Edmonds	P A
Mayor Pro-Tem Richardson	P A		

(Ypsilanti Community Schools Board of Education)

President Sharon Irvine	P A	Vice-President Celeste Hawkins	P A
Secretary Sharon Lee	P A	Treasurer Meredith Schindler	P A
Trustee Brenda Meadows	P A	Trustee Maria Sheler-Edwards	P A
Trustee Ellen	P A		

III. INVOCATION –

IV. PLEDGE OF ALLEGIANCE –

"I pledge allegiance to the flag, of the United States of America, and to the Republic for which it stands, one nation, under God, indivisible, with liberty and justice for all."

V. INTRODUCTIONS –

VI. AGENDA APPROVAL –

VII. AUDIENCE PARTICIPATION –

VIII. REMARKS BY THE MAYOR –

IX. RESOLUTIONS/MOTIONS/DISCUSSIONS –

1. Anti-idling ordinance.
2. Recognition of community & school champions.
3. Shared goals for a strong YCS and strong Ypsilanti.
4. Youth representation on school board, city boards and commissions.

XIV. COMMUNICATIONS –

- December 1, 2016 – Closed Session to review City Manager Resumes.
- December 17, 2016 – City Manager Interviews.

XV. AUDIENCE PARTICIPATION –

XVI. ADJOURNMENT -

Resolution No. 2016-270, adjourning the City Council meeting.

Revised 11/15/16

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www.MOTOR-SMART.org

ENGINE IDLING

Consider the typical pickup zone at a school site.

Exhaust fumes are plentiful while car engines are idling.

What's in car exhaust?

- Hydrocarbons
- Nitrogen Oxides
- Carbon Monixide
- Carbon Dioxide

- *(Electric, hybrid and specialty engines may be exempt)*

Pollutants in exhaust aren't good for anyone to breathe.

But they are especially harmful to kids.

Kids are more vulnerable to the pollutants in car exhaust

- Because their lungs are still developing,
- because they breathe faster than adults,
- and because they breathe 50% more air per pound of body weight.

Idling has been directly linked to heart disease, to low-birth weight babies, to cancer, and to asthma and other respiratory diseases.

Asthma Facts

Every day in America:

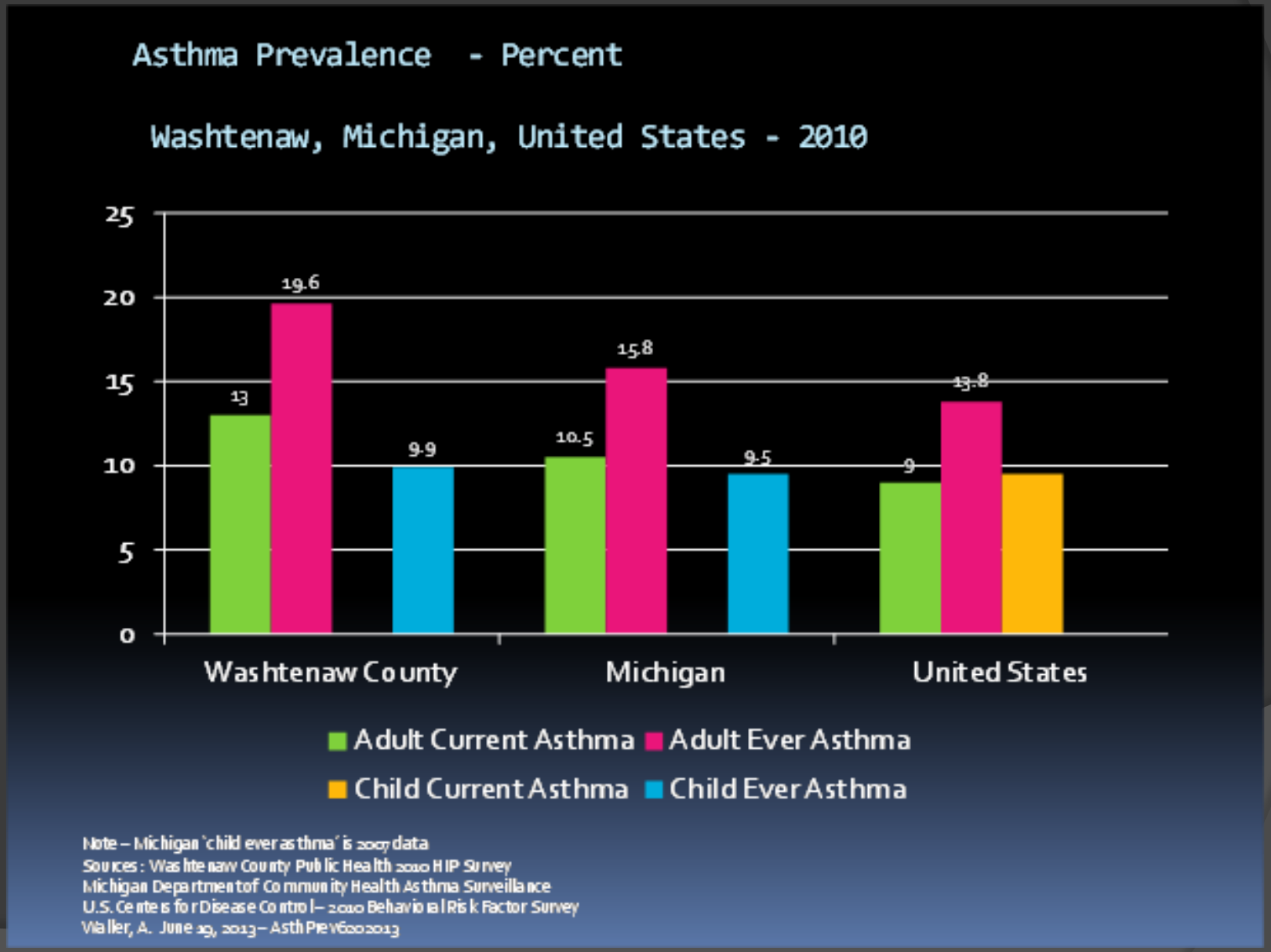
- 44,000 people have an asthma attack.
- 36,000 kids miss school due to asthma.
- 27,000 adults miss work due to asthma.
- 4,700 people visit the emergency room due to asthma.
- 1,200 people are admitted to the hospital due to asthma.
- 9 people die from asthma.

Childhood Asthma

Signs and symptoms (WebMD, Mayo Clinic)

- Frequent coughing spells (without cold)
- Less energy
- Rapid breathing, wheezing sound
- Chest “hurts”
- May be able to use inhaler
- Severe attacks require emergency room treatment
- Higher incidence for males, blacks
- Ideal to prevent/reduce exposure to irritants

Asthma Locally



What's the relationship between asthma and car exhaust?

Car exhaust hurts kids as much as second-hand smoke.
-World Health Organization

=

How to reduce the effects of engine idling

WHAT CAN WE DO?

1) TEN-SECOND REMINDER

If you're stopped longer than ten seconds, turn your car off.

- Idling is a waste: 10 seconds of idling uses more fuel than turning off the engine and restarting it.
- Idling gets zero miles to the gallon.

Is idling really that important?

Every year Americans idle away about $78.2 million in gas.

The average person idles 5-10 minutes every day. If we all reduced daily idling by 5 minutes:

Engine size	Daily	Annually		
	Gas not burned	Gas not burned	Money saved	CO2 not emitted
Small	.5 cups	10 gallons	$30	220 lbs
8 cylinder	1 cup	20 gallons	$60	440 lbs

Total US Benefit from Eliminating Five Minutes of Unnecessary Idling

DAILY		ANNUALLY	
Gas Not Burned	CO2 Not Emitted	Gas Not Burned	CO2 Not Emitted
3.8 million gallons	40,000 tons	1.4 billion gallons	13 million tons

2) AVOID WARMING UP COLD ENGINES

Today AAA, car manufacturers, and automotive engineers agree that driving your car off slowly on a cold morning – through the streets of your neighborhood – is the best, most efficient way to warm your car's engine.

That's Not What I Learned

Motor oils and engines are much improved. Motor oils lubricate over a wider range of temperatures, contain beneficial additives, and don't deteriorate as quickly. Engines are machined to much tighter tolerances, and internal moving parts are made out of better materials.

3) CREATE NO-IDLE ZONES

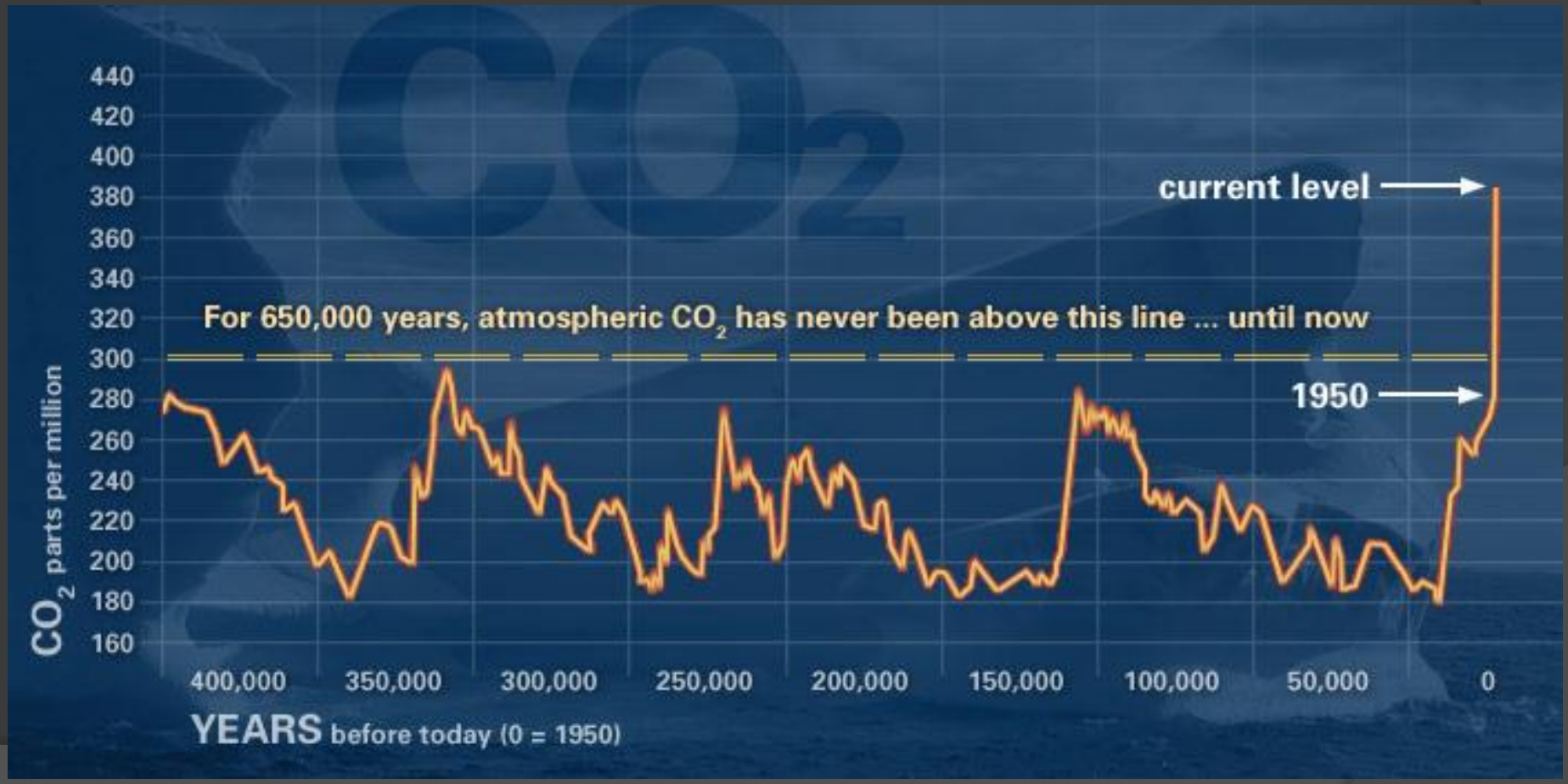
- At school drop-off sites
- With support of administration & staff
- With support of PTSOs & students
- Schools across the state and country have posted signs similar to this:
- Motor-Smart.org has draft signs, newsletters, & teacher resources

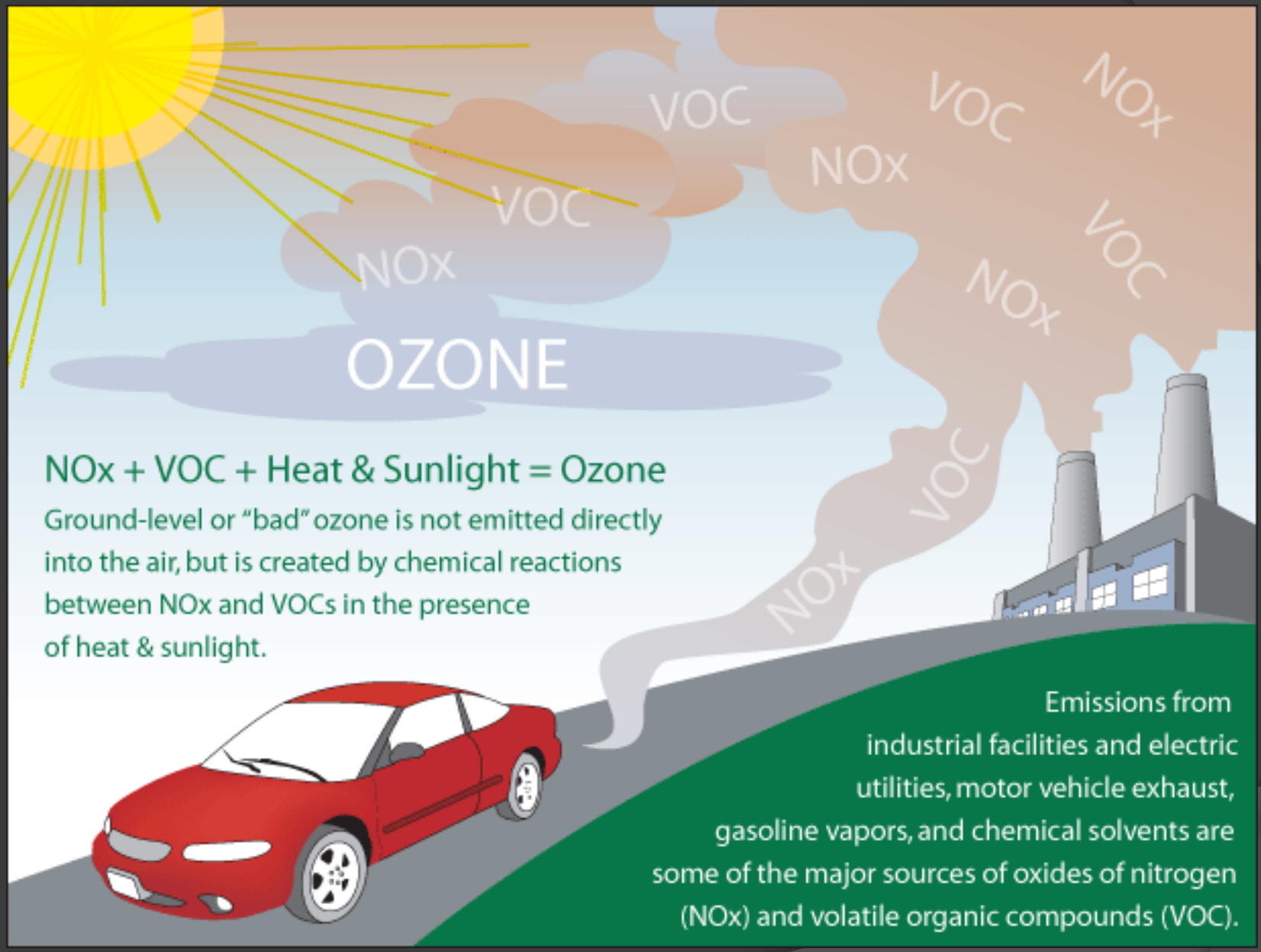
http://www.motor-smart.org/

Additional consequences of engine idling

IT'S A LOCAL & GLOBAL ISSUE

Carbon isn't like other pollutants; once it's in the atmosphere it will stay there for almost 100 years.




VOC
VOC
NOx
NOx
VOC
VOC
NOx
NOx
VOC
NOx
OZONE
NOx + VOC + Heat & Sunlight = Ozone
Ground-level or "bad" ozone is not emitted directly into the air, but is created by chemical reactions between NOx and VOCs in the presence of heat & sunlight.
Emissions from industrial facilities and electric utilities, motor vehicle exhaust, gasoline vapors, and chemical solvents are some of the major sources of oxides of nitrogen (NOx) and volatile organic compounds (VOC).

Global Warming

Idling →

global warming →

climate change.

Stopping unnecessary idling by itself isn't going to keep us from crossing the line where too much carbon changes our planet, but it will slow our progress to that point.

Climate Change: Our Biggest Challenge

Our kids: our biggest reason to meet it

Vehicle idling after cold starts

John German, Senior Fellow, ICCT
November 14, 2012

Motor oils are thicker at colder temperatures. A couple generations ago, motor oils often did not provide adequate lubrication at cold temperatures. Idling the engine after a cold start could warm up the oil and provide better lubrication before driving off and putting a load on the engine.

However, it is important to understand that both motor oils and engines are much improved today. Motor oils provide proper lubrication over a wider range of temperatures, contain additional beneficial additives, and do not deteriorate as quickly as the vehicle is driven. Engines are machined to much tighter tolerances, maintaining a consistent film of oil over all surfaces, and the internal moving parts are made out of better materials.

The result is that, except at very cold temperatures (below 0-20°F), vehicles can be driven gently after a very short initial idle period - about 5 seconds - without damaging the engine.

In fact, it is better for the engine to be driven gently after a short initial idle than to idle for longer periods of time:

- Idling is not an effective way to warm up the engine. A cold engine can require extra fuel for proper combustion, especially at temperatures below 50-60°F. This extra fuel can wash oil off of the cylinder walls, accelerating engine deterioration. Driving the vehicle greatly reduces warm-up times and the need for excess fuel. It also warms the oil up much faster than idling.
- The catalytic converter reduces engine emissions by more than 95%. However, it is ineffective at temperatures below about 600°F. Driving the vehicle will warm up the catalyst faster and reduce pollutant emissions.
- Excessive idling can damage your engine and components. An idling engine is not operating at its peak temperature, which results in more unburned fuel residue. This fuel residue can contaminate the oil and can be deposited on spark plugs and exhaust valves. Idling can also let water condense in the vehicle's exhaust, leading to corrosion of the exhaust system.
- Idling produces **zero** miles per gallon. Driving off gently after a short initial idle period will reduce fuel consumption and greenhouse gas emissions.

Idling Hurts Young Lungs

Idling your car's engine sends engine exhaust into the air that hurts our environment and – especially -- our kids. Exhaust from idling vehicles is harmful everywhere, but it's especially problematic at schools. Twice a day in school parking lots vehicles line up to pick up kids or drop them off – creating the exact scenario that maximizes exposure to the dangerous pollutants in car exhaust.

Car exhaust contains carbon monoxide, nitrogen oxide, sulfur dioxide, particulate matter, and cancer-causing toxins such as benzene. Breathing these fumes isn't healthy for anyone, but children are particularly vulnerable to its harms.

Car exhaust is more dangerous for children because:

- their lungs are still developing
- they breathe faster than adults, and
- they breathe 50% more air per pound of body weight.

Idling and exposure to traffic-related air pollutants has been directly linked to allergies, asthma and other respiratory diseases, to heart and cardiovascular diseases, and to cancer. Some studies even show exposure to these pollutants is associated with low birth weight babies. Also, chemical reactions between exhaust emissions has been associated with eye, nose and throat irritation and, in higher concentrations, asthma, bronchitis, increased susceptibility to respiratory infections, and decreased lung function.

When we were kids, we might have known one or two kids at school who suffered from asthma, but our children know many. Asthma is the most common chronic medical condition among children, the leading cause of hospitalizations among children, and the reason 36,000 kids miss school every day. Exposure to air pollution can trigger an asthma attack or aggravate other symptoms. An easy way we can help is to reduce idling our vehicles – especially at schools.

How can I help?

If you're going to be stopped longer than 10 seconds, turn it off
Idling more than ten seconds uses more gas than restarting your engine.

Be aware of idling when you're waiting to pick up or drop off
Idling in a line of cars maximizes exposure to exhaust's harmful pollutants for kids waiting to climb into cars or buses, for their supervising teachers, for fellow parents, and for younger siblings riding in the back seat.

Help improve air quality by curbing unnecessary idling
The average driver idles ten minutes every day, which wastes more than 30 gallons of gas per year, contributes to climate change, acid rain, and smog, and gets you 0 mph.

Resolution No. 2016 - 270
November 15, 2016

RESOLVED BY THE COUNCIL OF THE CITY OF YPSILANTI:

That the City Council Meeting be adjourned, on call, by the Mayor or two (2) members of Council.

OFFERED BY: _____

SUPPORTED BY: _____

YES: NO: ABSENT: VOTE: