

STATE OF GEORGIA

FULTON COUNTY

March 16, 2009

**A RESOLUTION OF THE CITY OF ROSWELL, GEORGIA
ESTABLISHING SUSTAINABILITY POLICIES AND STANDARDS INCLUDING
ENERGY EFFICIENT TRAFFIC SIGNALS AND SCHOOL SIGN4LS:
LIGHTS OUT AND POWER DOWN; AND NO-IDLE POLICIES.**

WHEREAS, The City of Roswell is committed to promoting and encouraging energy efficiency to reduce energy costs and the effects of energy use on our environment; and

WHEREAS, all City employees are expected to contribute to energy efficiency by understanding how to use energy more efficiently; and

WHEREAS, The Department of Energy (DOE) adopted new minimum standards for traffic lights which now require traffic signal modules and pedestrian modules manufactured on or after January 1, 2006, to meet performance requirement specifications in the ENERGY STAR program for traffic signals; and

WHEREAS, the DOE minimum standards also outline performance requirements for eight (8) inch and twelve (12) inch light emitting diode (LED) vehicle traffic signals. These standards apply to any new modules as well as replacements; and

WHEREAS, the City of Roswell has one-hundred and one (101) traffic signals, of which ninety-six (96) have been retrofitted with LED bulbs; and

WHEREAS, the City of Roswell has thirty-two (32) school zone flashers, of which thirty (30) have been retrofitted with LED bulbs; and

WHEREAS, the remaining four (4) traffic signals and two (2) school zone flashers will be retrofitted within calendar year 2009; and

WHEREAS, the City currently has 808 LED bulbs in stock as a result of a substantial donation from the State Department of Transportation; and

WHEREAS, the estimated annual savings from the LED bulbs is \$62,231; and

WHEREAS, the purpose of the Lights Out/Power Down Policy is to reduce unnecessary energy use associated with operating electronic equipment and lighting at City facilities; and

WHEREAS, the implementation of the Lights Out/Power Down Policy will save energy and money while reducing pollution, heat load and promoting consciousness about the environment; and

WHEREAS, the City is committed to promoting, maintaining, and monitoring energy saving measures in order to reduce vehicle fuel consumption for automobiles owned by the City and used in the daily operations of delivering services; and

WHEREAS, all City employees who use or drive City vehicles are expected to contribute to energy efficiency by understanding how to use fuel more efficiently; and

WHEREAS, the implementation of the No-Idling Policy will save fuel and money while reducing pollution and promoting consciousness about the environment. Energy conservation measures such as the No-Idle Policy also reduce air pollution emissions, added heat load in the atmosphere and vehicle wear and tear; and

WHEREAS, air pollution is a major public health concern in Georgia. Air pollution can cause or aggravate lung illnesses such as acute respiratory infections, asthma, chronic bronchitis, emphysema, and lung cancer. In addition to health impacts, air pollution imposes significant economic costs and negative impacts on our quality of life; and

WHEREAS, exhaust from vehicles (both on and off road) is a substantive source of ozone precursors in north Georgia. Vehicle exhaust is also a source of carbon monoxide, particulate matter, toxic air contaminants, and greenhouse gases. Although new engines have become leaner due to improved emission control technologies, the slow turn over in their inventory and number of miles/hours these vehicles idle each year is hindering progress in improving air quality; and

WHEREAS, the City of Roswell utilizes a fleet of approximately one hundred and twenty-two (122) medium and heavy-duty (diesel-powered) vehicles and two hundred and seventy-seven (277) automobiles and light-duty (gasoline-powered) vehicles to carry out its municipal operations. Exhaust from these vehicles contains chemicals that form ground-level ozone (smog) and may contribute to global warming. These pollutants may aggravate respiratory ailments (like asthma), cause lung damage, and may lead to cancer; and

WHEREAS, vehicle idling can also produce avoidable wear and tear on engines. Because an idling engine operates below its optimum temperature, residue deposits can form within the engine to reduce fuel efficiency by five percent (5%) and diminish engine life. Lower operating temperatures can cause premature corrosion damage to exhaust piping and mufflers; and

WHEREAS, through field tests, the American Society of Mechanical Engineers have shown that restarting a car with a six-valve (V6) engine consumes approximately the same amount of fuel as idling for five (5) seconds. Idling is not an effective way to

warm up a car. Even in winter, only 30 seconds is needed to warm the car's engine. Other vehicle parts, such as the axles, do not warm up until the vehicle is driven; and

WHEREAS, the No-Idle Policy is designed to promote the improvement of air quality while realizing significant savings in fuel and operating costs. Unnecessary idling of the City's fleet wastes approximately one (1)1 gallon of fuel per hour for diesel vehicles and roughly three-quarters (0.75) of a gallon of fuel per hour for automobiles or light-duty vehicles; and

WHEREAS, implementation of this policy requires action and cooperation at all levels of the City organization; and.

WHEREAS, the City of Roswell is committed to promoting and maintaining energy saving measures in its efforts to be responsible economically and environmentally; and

WHEREAS, it is the City's desire to promote environmentally sustainable policies and practices for our community.

NOW, THEREFORE, the Mayor and Council of the City of Roswell, Georgia, pursuant to their authority do hereby adopt a Resolution as follows:

ENERGY EFFICIENT TRAFFIC SIGNALS

1.

All existing traffic signals, including school signals, will be replaced or retrofitted with LED lamps.

2.

All newly installed traffic signals, including school signals, will have LED lamps at the time of installation.

LIGHTS OUT/POWER DOWN

3.

All electrical and electronic devices, including but not limited to tools, equipment, lighting, computers, monitors, printers, copy machines, fax machines, fans, blowers, HVAC systems, and other office and shop equipment used in the course of a work day, will be turned off except when in use. The use of natural lighting is encouraged in offices and rooms with windows when ever possible. All devices shall be operated on the lowest power load practicable.

4.

Employees will make certain that lights and equipment are turned off when leaving an area. Energy saving modes/features on all electronic devices will be enabled.

5.

All computers, except for network servers that must be left on, should be turned off (power switch OFF) at the end of the workday. This includes computers used as personal workstations and does not include computers that control critical operating or communication equipment. Energy-conserving technology and features will be implemented when available.

6.

The lights out/power down policy shall not apply to:

- Equipment that has manufacturer documentation stating that turning the equipment off is detrimental to the equipment or its operation.
- Lighting that is being used for security purposes. This security lighting should be kept to a minimum.
- Equipment, machinery, or electrical devices that when turned off create a hazard to the well being and safety of employees or the public.

NO-IDLE POLICY

7.

Drivers of city vehicles shall turn off vehicles when parked and not re-start vehicles until it is necessary to depart. This policy applies to all city owned, rented, or leased vehicles operated by city employees, volunteers or contractors.

8.

This operating procedure establishes a prohibition on the idling of City owned vehicles when the vehicle is not moving or when the vehicles are not performing work for a period of time greater than three (3) minutes in any one-hour period.

9.

It is understood that an emergency call for service may supersede this policy when time and necessity may be critical. Also, during times of extreme weather conditions; it may be essential to leave the vehicle running. All incidents in violation of this standard operating procedure will be observed on a case by case basis.

10.

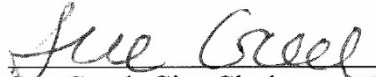
The No-Idle Policy shall not apply to:

- Vehicles standing in traffic;
- Idling when necessary to operate auxiliary equipment that is required to accomplish the intended use of the vehicle (primarily Public Safety);
- Idling to provide heat within the cab of the vehicle if the outside temperature is less than 40° F and if there is no accessible temperature-controlled area within a reasonable distance; or
- Idling to provide cooling within the cab of the vehicle if the outside temperature is more than 80° F, and if there is no accessible temperature-controlled area within a reasonable distance, and the vehicle is equipped with air conditioning.

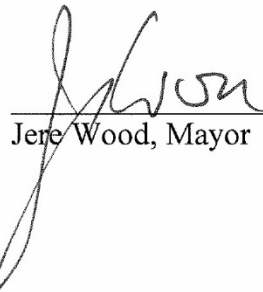
11.

The above Resolution was read and approved by the Mayor and Council of the City of Roswell on the 16th day of March 2009.


Attest:



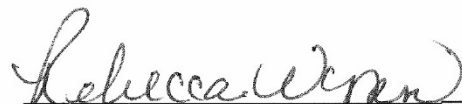
Sue Creel, City Clerk
(Seal)



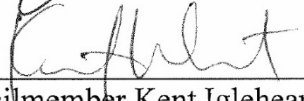
Jere Wood, Mayor



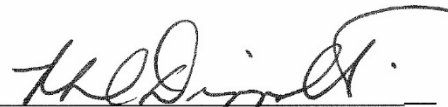
Councilmember Jerry Orlans



Councilmember Rebecca Wynn



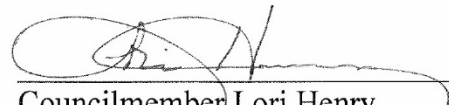
Councilmember Kent Igleheart



Councilmember Richard Dippolito



Councilmember David Tolleson



Councilmember Lori Henry

