



City of Richmond

Idle Free Program

**Working towards a cleaner
atmosphere.**

Gerry Hay, Fleet Training Officer
City of Richmond, Public Works
Idle Free BC Workshop
March 3, 2006



City of Richmond

Idle Free Program

September 2004

- **Fleet Operations initiated an Idle Free program for the City of Richmond's vehicles and equipment.**
- **Involved over 500 Fleet Vehicles**
- ***After 1 year 160,996 litres of unleaded fuel, clear diesel and compressed natural gas has been saved.***

**TURN YOUR
ENGINE OFF**



For Our Health

**TURN YOUR
ENGINE OFF**



Save \$ And Spare Our Air







**TURN YOUR
ENGINE OFF**



Spare Our Air

Presentation Overview

Steps to Implement an Idling Program:

-  1) Bring Everyone Together
-  2) Get Buy In From the Organization
-  3) Develop a TEAM Action Plan
-  4) Implementation
-  5) Communication of Results
-  6) Building on Success

What Should You Do Next?

Other City of Richmond Initiatives

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Need For Action



Idling produces unnecessary pollution that contributes to climate change, smog and health problems;



Idling wastes fuel and costs us money; and



Idling is *not* good for vehicle engines.

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1) Bring Everyone Together



Fleet staff, Union representatives, Human Resources, Environment and other departments met to discuss idling.



Common messages included:



Most vehicles idle unnecessarily for long period



Idling produces unnecessary emissions of carbon dioxide (CO₂), Oxides of Nitrogen and Methane gases



Idling jeopardizes health of workers and families

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2) Getting Buy In



Employees:



Health Impacts. Sitting inside the vehicle while warming up, is not a healthy place to be!



Family Impacts. We all contribute to climate change and air quality



Managers:



Healthier Employees



Potential Fuel Savings



Reduced Vehicle Wear

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2) Getting Buy In



All Managers Supported Initiative:



Contributed to start up costs



Approximately \$6200 spent to implement

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3) Developing the Plan



How can we as a *TEAM* take action?



Asked the employees for their input.



Looked at best practices from other organization

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3) Developing the Plan



Recommendations from crews:



Give us reminders



Use signage



Decals on vehicle windows



Solar Panel messages at the exit and entrance of the Works Yard



Let us know how we are doing.

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4) Implementing the Plan



Signage:



36 Signs posted throughout Works Yard.



Stickers:



752 idle free stickers were placed on fleet vehicles and equipment.



Employees:



Complete pre-trip inspection.



Shorten warm up period.



Reminded other drivers to turn off engines.

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4) Implementing the Plan



Management:



Reminded drivers to turn off engines in the yard



Policy under consideration.



Challenges/Barriers:



Still need to run the engine for battery power on certain tasks such as traffic advisors and beacons.

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5) Communication of Results



Internal Communication:



Updates at Safety Committee Meetings



Continue to distribute no idling signs and stickers.



External Communications:



Presentation to City Council, Chamber of Commerce and School Board



Distributed flyers, posters and press releases in local newspaper



BEST/City of Vancouver Case Study.

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6) Building on Success



Youth Ambassadors



Secondary School Students



Developing own idle free program



Taking message to elementary schools



Idle Free BC



Assisting fleets and other organizations
implement similar programs



Don't recreate the wheel

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What Should You Do Next?



Network



Share ideas and results with others



What worked? What didn't?



Build on others results



Start at this workshop



Take the Challenge



Join with other fleets and reduce idling.

Resources Are Available

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Resources Are Available

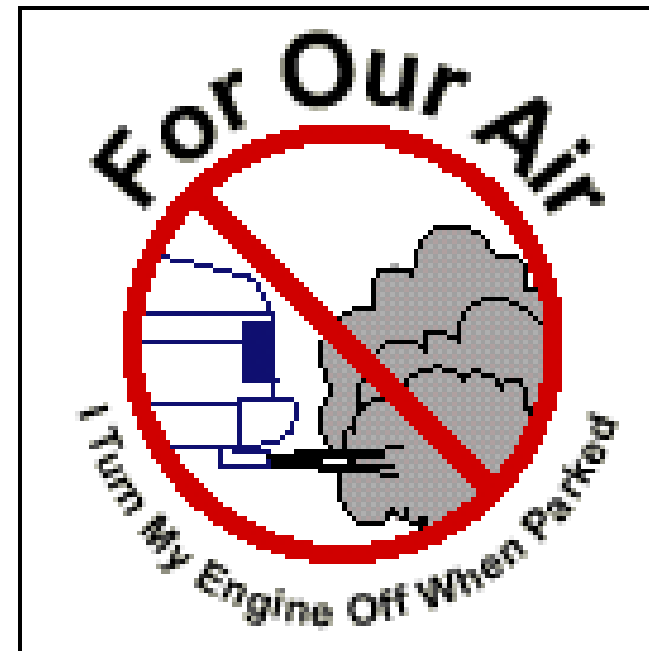

TURN IT OFF



You can reduce air pollution and care for the air we breathe, by turning off your engine when your vehicle is parked.

- **You'll save money** - Depending on gas prices, you can expect to save well over \$80 per year just by turning off your engine. Idling a vehicle for 10 minutes a day uses up more than 100 litres of gasoline in a year.
- **You'll breathe easier** - By turning your engine off, you and others around you won't have to breathe in unhealthy exhaust fumes from a vehicle that is going nowhere.
- **You'll spare the air** - You will reduce harmful greenhouse gas emissions that contribute to problems such as smog and climate change.

Ten seconds of idling uses more fuel than restarting your engine!



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Work-Based Initiatives



City of Richmond continues to lead:



Hybrid Vehicles



Smart Cars



Increased use of matching vehicle to task



Replacement of some larger vehicles with fuel efficient engines.



Biodiesel.

Summary



Climate change, air quality, employee health and fuel savings were all drivers for action.



Involve everyone in the plan.



Keep re-enforcing the plan



Lots of feedback



Take advantage of information sharing and available resources.



City of Richmond

Public Works

Thank You!

Any Questions?

Gerry Hay
Fleet Training Officer
City of Richmond