



West Bloomfield Township Board Meeting



Energy Efficiency & Conservation Block Grant (EECBG) Update



January 25, 2010



Introduction to EECBG

West Bloomfield Township Board Meeting January 25, 2010

- ❑ Part of stimulus package awarded in 2009
- ❑ Congress appropriated \$3.2 billion for the program
- ❑ Provides grants to fund projects that improve energy efficiency & reduce energy use & fossil fuel emissions
- ❑ Funds must be obligated within 18 months & spent within 36 months





EECBG in West Bloomfield

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- West Bloomfield received \$571,800
- Approved to spend \$20,000 to develop a strategy
- Developed strategy in-house with help from the Michigan Rebuild Program
- Received free energy audit for 10 Township facilities:
 - Town Hall
 - Police Dept.
 - Water & Sewer Dept.
 - 6 Fire Stations
 - Family Aquatic Center

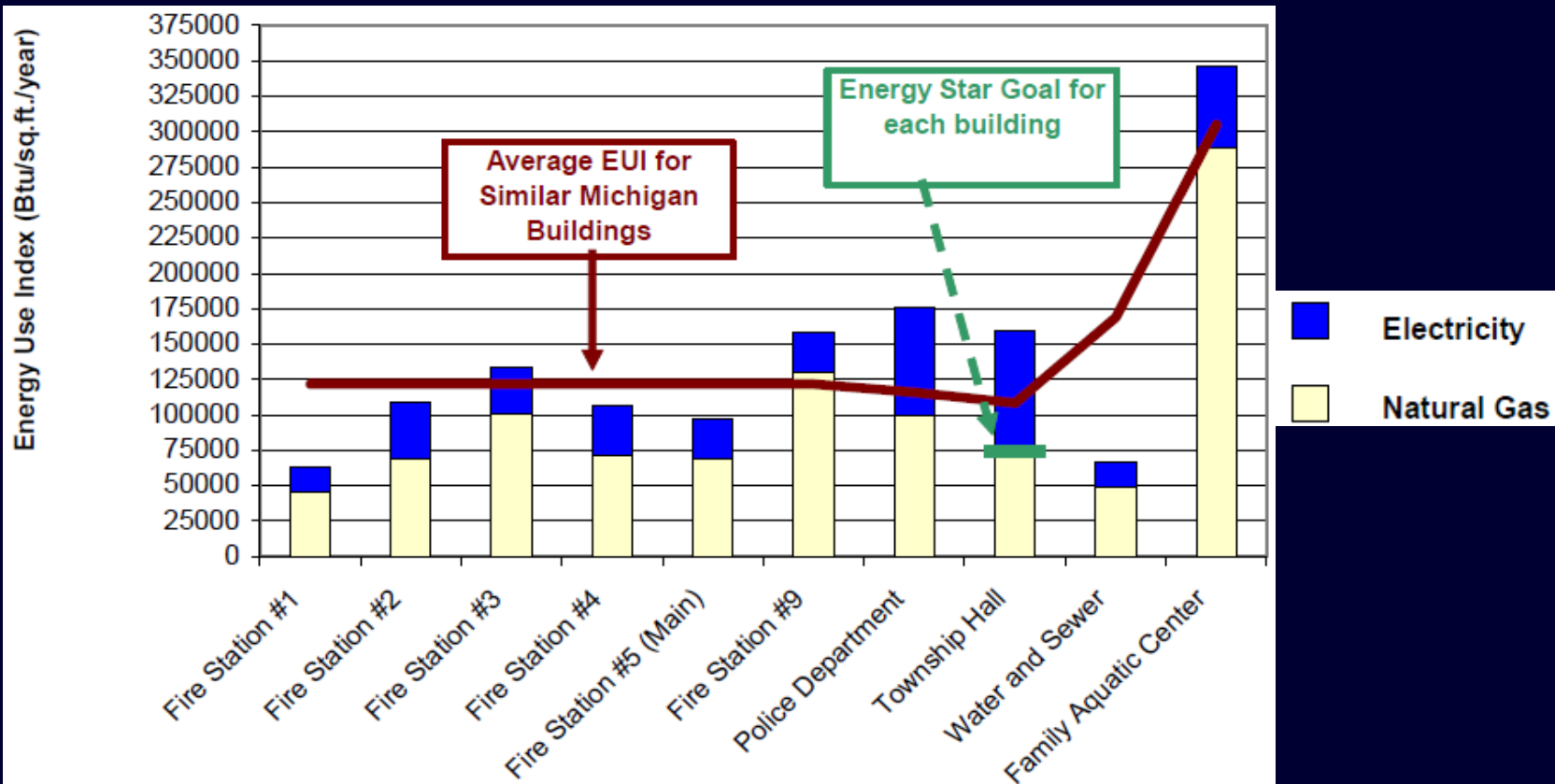




Energy Audit Findings

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- Some facilities fared very well: Water & Sewer, some Fire Stations
- Others used more energy than the state average: Town Hall, Police, Aquatic Center, other Fire Stations





West Bloomfield EECBG Strategy

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- ❑ Strategy is due to Dept. of Energy on January 28 (Thursday!)
- ❑ Once approved, the Township will develop RFPs & go out to bid for construction of proposed projects
- ❑ Goal is to have construction completed within one year



6-lamp Fluorescent High Bay Fixture



With Protective Polycarbonate Lens



T8 Fluorescent

T5 Fluorescent



Passive Infrared
Occupancy Sensor
(replaces wall switch)



West Bloomfield Annual Savings

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- 7 jobs created/retained
- Over 1 million kwh expected energy savings
- 786 metric tons GHG emissions reduced (CO2 equivalents)
- Changing of current lights at facilities to T-8 bulbs alone is estimated to save the Township over \$33,000 in energy bills
- Estimated combined savings of all projects results in over \$65,000 annually with potential for over \$16,000 in rebates