

AGENDA RESERVATION REQUEST

CITY OF FRANKLIN BOARD OF PUBLIC WORKS AND SAFETY

Please type or print

Date Submitted:	May 2, 2012	Meeting Date:	May 21, 2012
Contact Information:			
Requested by:	Mayor McGuinness		
On Behalf of Organization or Individual: J.A. Wellings, P.E.			
Telephone:	(317) 200-7686		
Email address:			
Mailing Address:	1511 E. Jefferson Street, Franklin IN 46131		
Describe Request:			
Update on Energy Assessment			
List Supporting Documentation Provided:			
Copy of Energy Assessment Update dated 5/21/2012			
Who will present the request?			
Name:	J. A. Wellings, P.E.	Telephone:	(317) 200-7686

The Franklin Board of Works meets on the 1st and 3rd Monday of each month at 5:15 p.m. in the Council Chambers of City Hall located at 70 E. Monroe Street. In order for an individual and/or agency to be considered for new business on the agenda, this reservation form and supporting documents must be received in the Mayor's office no later than 12:00 p.m. on the Wednesday prior to the Board of Works meeting.

City of Franklin, IN Energy Assessment Update

Monday, May 21, 2012

Energy Assessment Update

- Background
 - 2010 electricity & natural gas usage and cost data used to identify largest departmental energy users
 - Four (4) departments identified for further study
 - Sewer Department \$ 248,000
 - Parks & Recreation Dept. 88,000
 - Police/Street Depts. 45,000
 - Fire Department 30,000*
- | | |
|-------|------------|
| Total | \$ 411,000 |
|-------|------------|

Note: No full year data available for the two new stations.

Energy Assessment Update

- Major energy use / cost locations identified by department

– Sewer Department	WWTP	\$ 226,000
– Parks & Recreation	Community Center	40,000
	Wonder Five Gym	25,000
	Active Adult Center	8,000
– Police Street Depts.	2801 N. Morton Street	36,000
– Fire Department	All 3 stations	30,000
	Total	\$ 365,000

Energy Assessment Update

- Scope of Assessment
 - Identify how energy is being used at each location
 - Lighting, heating, air conditioning, hot water, etc.
 - Quantify energy usage / cost by usage category
 - Identify energy conservation opportunities & quantify savings potential
 - Prepare cost opinion and estimated payback period for identified projects

Energy Assessment Update

- Conservation projects being evaluated
 - Lighting system revisions
 - HVAC equipment replacement
 - HW heater replacement
 - Window replacement
 - Additional insulation levels

Energy Assessment Update

- Estimated Assessment Work Breakdown

Work Activity	Est. % of total	Est. Status
Field Survey Work	40	100%
Energy/cost allocation	20	60%*
Project evaluation	20	50%
Final report preparation	20	30%

Energy Assessment Update

- Commentary on findings to date
 - Extremely pleased to find that most buildings are in better shape than originally thought
 - Easy & low cost things already done
 - Windows & lighting
- Very good energy management practices in place
 - Police Department
 - WWTP

Energy Assessment Update

- Comments
 - Scope of study recently expanded to include 2011 energy data
 - Provides full-year data for the two new fire stations
 - Two years of data allows for better data correlation
 - No additional cost
 - Estimated completion – July 2012
- Questions ??