February 22, 2018

Mr. Jeffrey Bertacchi
Pretreatment Program Manager
City of Columbus
1250 Fairwood Avenue, Suite 186
Columbus, OH 43206

Subject: iPACS System Enhancements – Change Request ID: 2018-01

Dear Mr. Bertacchi:

enfoTech presents this proposal to provide additional services to migrate two (2) sets of Facility data from Excel to the iPACS database.

Work Scope

- enfoTech will perform data migration to convert data from two Excel files to the iPACS database.
    1. "iPACS FINAL FOG FSE CPH Database 8-8-17.xlsx" and
    2. "iPACS FINAL OWS Access Database 8-8-17.xlsx"

- Data migration will include: (1) create new facility records for two facility types, (2) link each facility record with existing facility groups, (3) create new physical location records with the Excel data, and (4) link each facility record with its physical location record.

- Data mapping are provided in the Attachment A.

Cost

Work Item	Enhancement Description	Cost
57619	Migrate Two types of Facility data with Physical location from EXCEL to iPACS: "Restaurant" and "Oil Water Separator"	$2,805

Thank you very much for the opportunity to submit this proposal to City for consideration. If you have questions, please contact Hester Li at (732) 839-1688, Ext. 115.

Sincerely,

Tony C. Jeng
Executive Vice President

TCJ: hl
Enclosure
cc: File – City of Columbus, Hester Li

Appendix A

Enhancement: Migrate two types of Facility data with Physical location from EXCEL to iPACS.

Objectives:

To migrate City's data from external source of EXCEL into iPACS, so the City is able to manage "Restaurant" and "Oil Water Separator" types of facilities in iPACS starting onward:

1. Data mapping for **iPACS FINAL FOG FSE CPH Database 8-8-17.xlsx** :

Current Excel Column	iPACS Table	Logic
Facility	FAC_FACILITY_INFO.FACILITY_NAME	Default FACILITY_TYPE_CD = '38'-Restaurant, FFACILITY_STATUS_CD = 'A'
Street Number	SYS_PHYSICAL_LOCATION.ST_NUMBER	
Street Direction	SYS_PHYSICAL_LOCATION.ST_DIRECTION	
Street	SYS_PHYSICAL_LOCATION.ST_NAME	
Street Type	SYS_PHYSICAL_LOCATION.ST_TYPE_CD	Use REF_ST_TYPE.ST_TYPE_CD which matches REF_ST_TYPE.ST_TYPE_NAME
Street Sub Type	SYS_PHYSICAL_LOCATION.SUB_ST_TYPE_CD	Use REF_ST_SUB_TYPE.ST_SUB_TYPE_CD which matches REF_ST_SUB_TYPE.ST_SUB_TYPE_NAME
Street Sub Number	SYS_PHYSICAL_LOCATION.SUB_ST_VALUE	
City	SYS_PHYSICAL_LOCATION.CITY_CD	Default to "Columbus"
Zipcode	SYS_PHYSICAL_LOCATION.ZIP_CD	
Phone Number	SYS_TELEPHONIC.PHONE_NUMBER, FAC_TELEPHONIC.TELEPHONIC_ID	SYS_TELEPHONIC.PHONE_TYPE_CD = 'Business', XXX-XXX-XXXX format
Facility Group	FAC_GROUP.REF_GROUP_ID	REF_GROUP.REF_GROUP_NAME = 'BMP: FOG'
Facility Group 2	FAC_GROUP.REF_GROUP_ID	REF_GROUP.REF_GROUP_NAME = 'BMP FOG Variance Request'
Facility Group 3	FAC_GROUP.REF_GROUP_ID	REF_GROUP.REF_GROUP_NAME = 'BMP FOG Variance Approved'
Facility Group 4	FAC_GROUP.REF_GROUP_ID	REF_GROUP.REF_GROUP_NAME = 'BMP FOG Variance Denied'

2. Data mapping for **iPACS FINAL OWS Access Database 8-8-17.xlsx** :

Current Excel Column	iPACS Table	Logic
Facility	FAC_FACILITY_INFO.FACILITY_NAME	Default FACILITY_TYPE_CD = '22'-Oil Water Separator, FFACILITY_STATUS_CD = 'A'
Street Number	SYS_PHYSICAL_LOCATION.ST_NUMBER	
Street Direction	SYS_PHYSICAL_LOCATION.ST_DIRECTION	
Street	SYS_PHYSICAL_LOCATION.ST_NAME	
Street Type	SYS_PHYSICAL_LOCATION.ST_TYPE_CD	Use REF_ST_TYPE.ST_TYPE_CD which matches REF_ST_TYPE.ST_TYPE_NAME
Street Sub Type	SYS_PHYSICAL_LOCATION.SUB_ST_TYPE_CD	Use REF_ST_SUB_TYPE.ST_SUB_TYPE_CD which matches

Current Excel Column	iPACS Table	Logic
		REF_ST_SUB_TYPE.ST_SUB_TYPE_NAME
Street Sub Number	SYS_PHYSICAL_LOCATION.SUB_ST_VALUE	
City	SYS_PHYSICAL_LOCATION.CITY_CD	
Zipcode	SYS_PHYSICAL_LOCATION.ZIP_CD	
Phone Number	SYS_TELEPHONIC.PHONE_NUMBER, FAC_TELEPHONIC.TELEPHONIC_ID	SYS_TELEPHONIC.PHONE_TYPE_CD = 'Business', XXX-XXX-XXXX format
Facility Group	FAC_GROUP.REF_GROUP_ID	REF_GROUP.REF_GROUP_NAME = 'BMP: Oil Water Separator'

3. Additional logic for this data migration:

   a. For cases where facility name is the same but with different locations, import as is, these will be different facilities.

   b. For cases where facility name and physical location are both the same, only import the facility records with the most facility groups associated.

4. The EXCEL documents provided by the City of Columbus are below:

   iPACS FINAL FOG FSE CPH Database 8

   iPACS FINAL OWS Access Database 8-8

Assumptions:

1. Address information in the EXCEL: only new SYS_PHYSICAL_LOCATION records will be created, not SYS_ADDRESS. All locations in the EXCEL should be treated as new records.

2. enfoTech will not migrate/update any other data elements that are not presented in the EXCEL