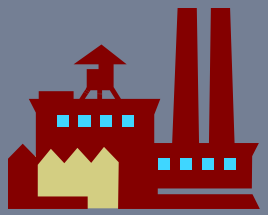
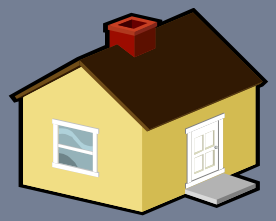
Pretreatment Program
Stakeholder Meeting 2/28/13

- Why is this needed?
- What is involved?
- How does it affect Prescott businesses and industries?

Why?





Aquifer Protection Permit (APP)

Wastewater Treatment Plant

Recharge Basins

Why?

- Wastewater Treatment Plants designed to remove pollutants/concentrations typical of domestic discharges

Organics
BOD_5, COD

Nutrients
Ammonia, Phosphorus

Solids
Total Suspended Solids (TSS)

- Other pollutants (e.g., metals or FOG) controlled by pretreatment limits or Best Management Practices

Why?

High pollutant concentrations discharged to sewer system can cause:

- Blockages resulting in sewer overflows
- Exceedance of APP limits (can result in Notice of Violation, Consent Order, or fines from ADEQ)
- Additional cost in operation/maintenance of treatment facilities

What?

City's Pretreatment Program will:

- Reduce sanitary sewer overflows
- Control discharges into sewer system
- Protect wastewater treatment plants
- Maintain high effluent and biosolids quality
- Protect the public, City workers, and the environment

What?

Pretreatment Program Status

- Updated Sewer Use Ordinance to establish legal authority for implementing pretreatment program
- Developed Enforcement Response Plan (ERP)
- Updated 2011 Local Limits Report
- Conducting Industrial Waste Survey (IWS)

What?

Sewer Use Ordinance (City Code Ch 2-1)

- Establishes responsibility and authority of Public Works Director
- Includes prohibited discharges
- Sets up permitting program
- Describes enforcement options for noncompliance

What?

Enforcement Response Plan (ERP)

- Establishes fair and consistent enforcement procedures
- Ensures enforcement responses are appropriate to nature/severity of violation
- Contains City's enforcement options and potential fines

What?

Local Limits Update

- Evaluates max pollutant loading that can be received at treatment plant and still meet APP permit limits
- Calculates pretreatment limits that are site-specific and technically-based
- Applies only to Significant Industrial Users (SIUs) as “controlled sources”

What?

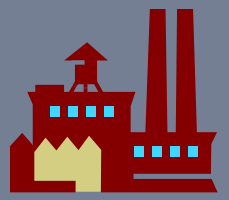
Industrial Waste Survey (IWS)

- Includes questions about facility operations and wastewater discharged
- Used to assess nature/volume of wastewater discharged
- Identifies commercial & industrial dischargers

What?

Significant Industrial Users

- Subject to Categorical Pretreatment Standards
- Discharge 25,000 gpd
- Contribute 5% or more of hydraulic or organic capacity of treatment plant
- Designated by City based on potential to impact treatment plant



What?

% Industrial Flow/ Influent

Significant Industrial Users

18%

Airport WRP

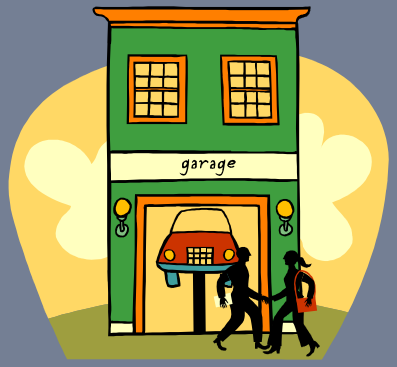
0.01%

Sundog WWTP

What?

Examples of Commercial Users:

Dry Cleaners



Auto Repair Facilities

Medical / Dental Offices

Restaurants

What?

Potential Impacts

Sewer drain clogged with grease

Video of sewer line clogged with grease

What?

Potential Impacts

Grease balls at Sundog WWTP, caused overflow at headworks; grease decreases treatment plant efficiency

How?

With Pretreatment Program, City can:

- Issue Industrial Wastewater Discharge Permits to Significant Industrial Users
- Issue General Permits to commercial dischargers
- Develop Best Management Practices for industrial and commercial dischargers
- Perform Site Inspections

How?

Best Management Practices include:

- Installing/maintaining grease interceptors/traps
- Training employee
- “Dry wiping” pots and dishware before washing
- Recycling of used oils and solvents
- Preventing leaks and spills from entering floor drains

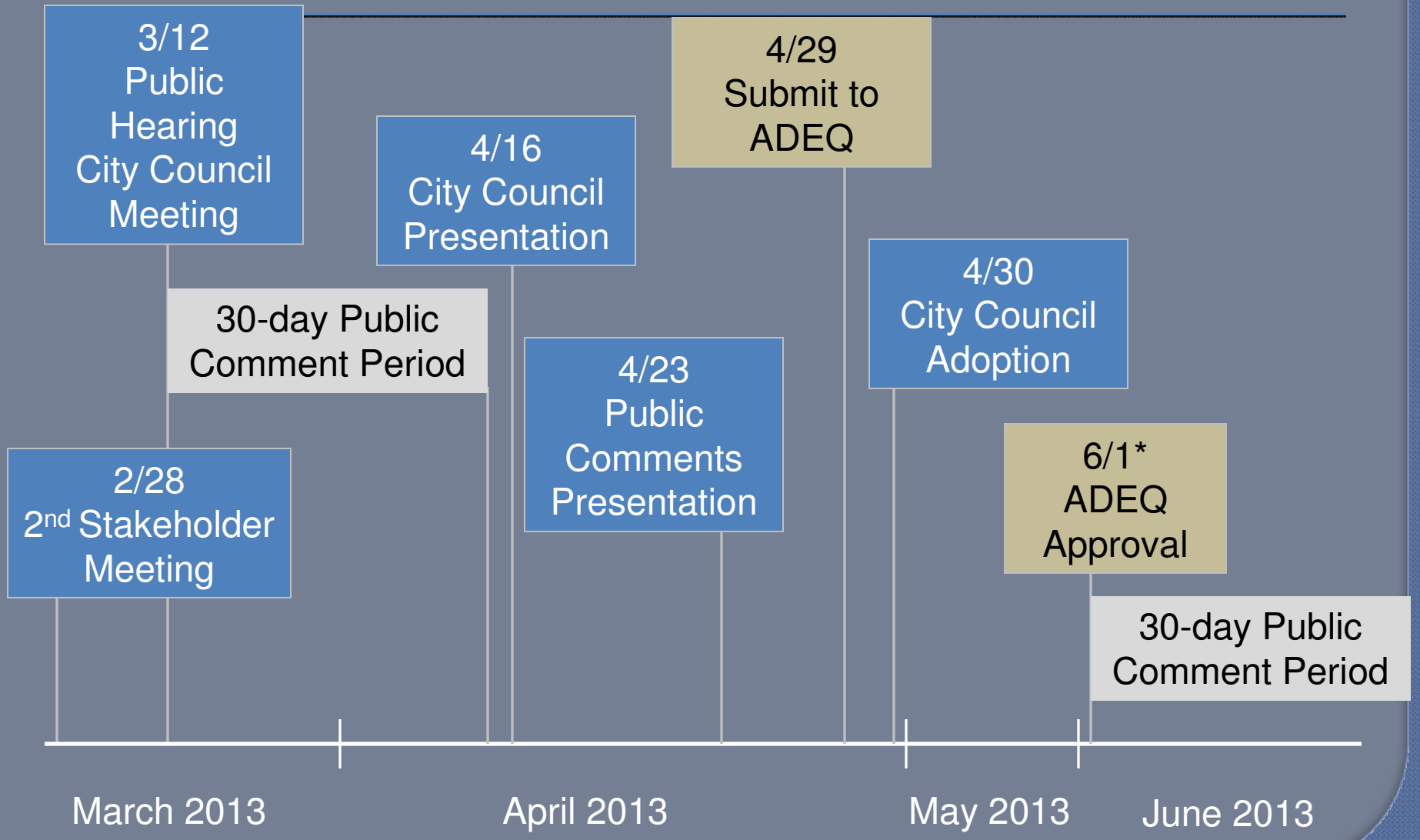
Next Steps

- Compile data from Industrial Waste Survey (IWS) currently in progress
- Identify potential Significant Industrial Users
- Work with Industrial Users to develop permits and compliance schedules
- Perform cost benefit analysis of pretreatment program

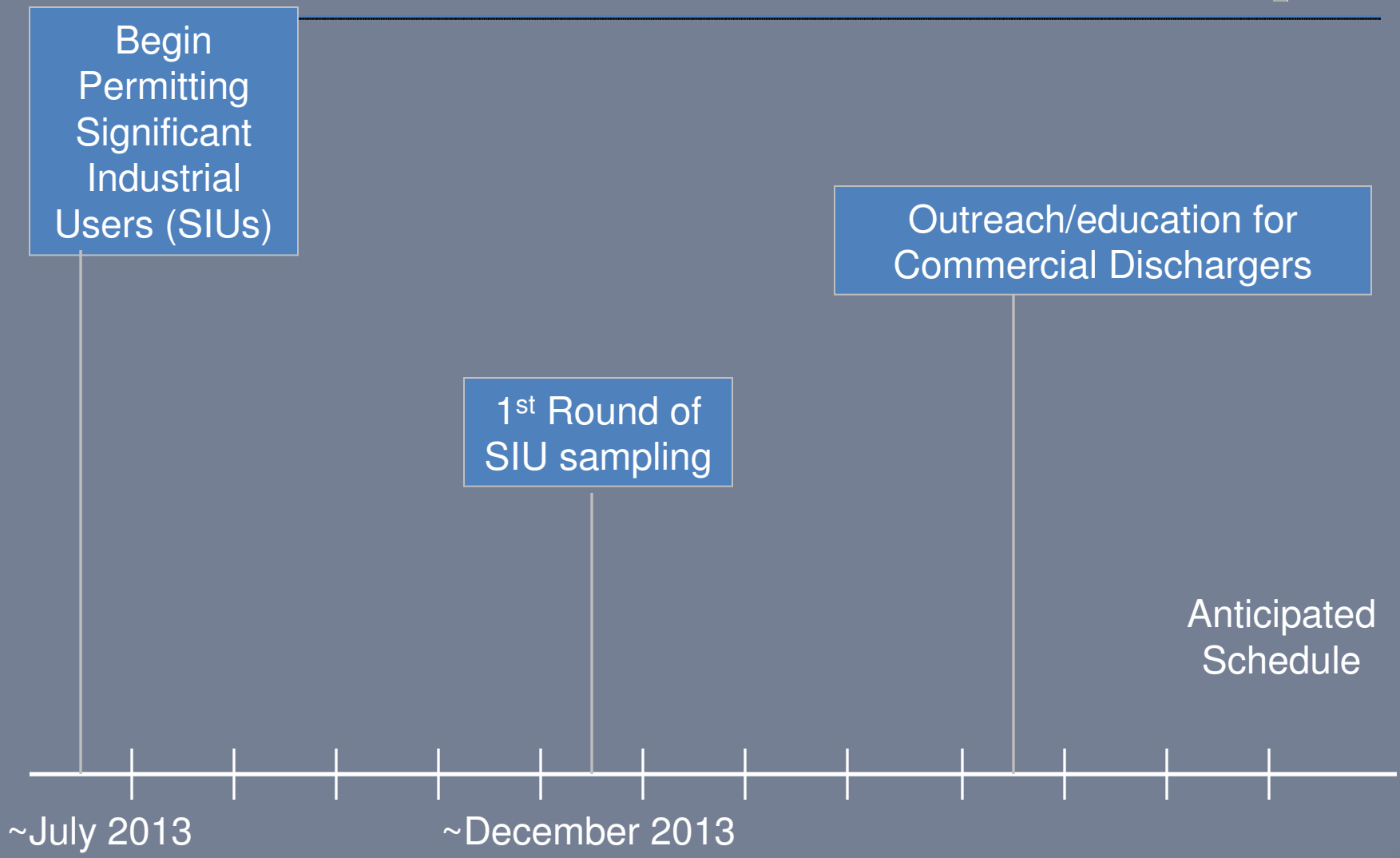
Next Steps

- Assess impact from commercial dischargers
- Develop outreach/education information for commercial dischargers
- Identify BMPs for specific groups of commercial dischargers (e.g., food service)
- Assess implementing general permits for some commercial dischargers

Next Steps


3/12
Public
Hearing
City Council
Meeting
2/28
2nd Stakeholder
Meeting
30-day Public
Comment Period
4/16
City Council
Presentation
4/23
Public
Comments
Presentation
4/29
Submit to
ADEQ
4/30
City Council
Adoption
6/1*
ADEQ
Approval
30-day Public
Comment Period
March 2013
April 2013
May 2013
June 2013

Next Steps


Begin Permitting Significant Industrial Users (SIUs)
Outreach/education for Commercial Dischargers
1st Round of SIU sampling
Anticipated Schedule
~July 2013
~December 2013

Pretreatment Contact

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http://www.cityofprescott.net/services/water/protection.php