



**Pittsburgh
Water & Sewer
Authority**

**COLLABORATION DAY
EJCDC and PWSA**

**November 18, 2015
9:45 – 10:30**

AGENDA



- EJCDC and PWSA Overview
- Contract Specifics
- Working with the PWSA

PWSA's Capital Program Has Goals.

1. Increase PWSA's Annual Volume of Completed Capital Projects
2. Encourage Local Business Involvement and Partnership With PWSA to Increase the Number and Diversity of Suppliers, Consultants and Contractors
3. Seek Broader Array of Skills From PGH Area Businesses
4. Conform with Public Contracting and Diversity Goals
5. Establish Sustainable Program Delivery Capability and Quality

Seeking Mutually Beneficial Partnerships With All Suppliers, Vendors, Consultants and Contractors

PWSA Gears Up Its “Asset Renewal Capacity”

The PWSA is implementing policies, procedures, and documents to clarify and improve our contractual relationships with our suppliers, construction contractors, and consultants.

PWSA Gears Up Its “Asset Renewal Capacity”

1. Increasing PWSA “Staff” Capacity To Implement Projects
2. Documenting Standards of Practice and Operating Practices
3. Updating Procurement, Financial, Legal and Execution Practices
4. Streamlining Team Organization, Increasing Its Breadth and Depth
5. Adopting Current *Standards of Practice* for Contract and Specifications
6. Refining Minority and Women’s Business Processes and Expectations
7. Establishing *Performance Metrics* For Consultants and Contractors

PWSA's Capital Program Will Rely On National Standards

**While addressing:
City of Pittsburgh, PWSA,
Allegheny County, and
State of Pennsylvania
Codes and Ordinances.**

EJCDC General Conditions



16-Division CSI Technical Specifications



PWSA Standard Bid Document



EJCDC Documents Apply National Standards To Construction Contracts



What are the benefits?

Legally Tested & Defensible
Broad Muni Owner Use
Common Construction-
Contractor Usage

How Are Benefits Accrued?

Reduced Legal Expenses To Interpret
Local Requirements Readily Understood
Policies and Procedures Integrate
Standardization Maximizes Understanding

EJCDC Standard Documents Embody Criteria To Address PWSA Requirements



C-200 Instructions to Bidders 2013

- New Qualification Requirements including Super
- Minority/Women's Business Reporting

C-410 Bid Form 2013

- Bids Valid For 60 Days Upon Submittal
- No Unit Price Adjustment For Quantity Change

C-451 Qualifications Statement 2013

- Safety History and Ratings
- Safety Program Documents For Acceptance

C-510 Notice of Award 2013

EJCDC Standard Documents Embody Criteria To Address PWSA Requirements



C-520 Agreement Stipulated Price 2013

- Specified Unit Prices Blue Book Based (Crew Time)
- No Unit Price Adjustment for Quantity Change

C-550 Notice to Proceed 2013

- Upon Receipt of Complete Agreement, Bonds, Insurance
- Notice of Award Within 10 Days of Board Award Authorization
- NTP Within 5 Working Days of Receipt of Documents

EJCDC Standard Documents Embody Criteria To Address PWSA Requirements



EJCDC C-700 General Conditions 2013

- Clarified Definitions of Engineer, Owner and Contractor Roles and Responsibilities
- Approval of Contractor's Resident Superintendent
- Progress Payments Within Statutory Time Limits

EJCDC C-800 Supplementary Conditions 2013

- Minority and Women's Business Enterprise Involvement
- Good Faith Effort & Documentation Requirements
- Unit Price Work: No Price Adjustments For Quantity Change
- Future Safety Minimum Compliance Requirements

PWSA's Technical Specifications Will Rely On National Standards

**While addressing:
City of Pittsburgh, PWSA,
Allegheny County, and
State of Pennsylvania
Codes and Ordinances.**

EJCDC General Conditions



16-Division CSI Technical Specifications



PWSA Standard Bid Document

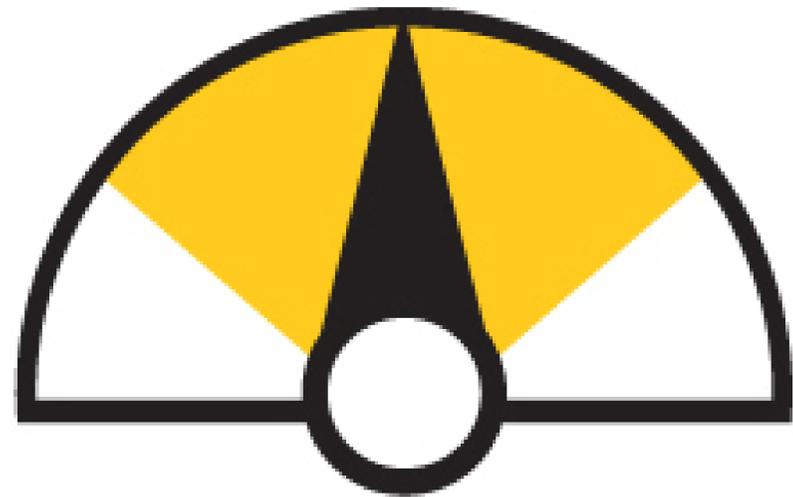


CSI MasterFormat Specifications Implementation

TAKE NOTICE: Design and Execution Details Are Changing

1. New Specifications for Materials, Execution: Read Bid Documents Carefully
 - Ex. Earthen Pipe Bedding/Backfill Material Specs; Compaction Requirements
2. Specification Documents Will Evolve As Each Contract Is Developed
 - PWSA Updating All Materials and Equipment Standards
3. Requirements for American Made Steel Products Will Not Be Relaxed

What Remains the Same



UNCHANGED

- Bonds
 - Bid Bond
 - Performance Bond
 - Payment Bond
- Advertisement for Bids
- Work Change Directive
- Change Order Process

Working with the PWSA

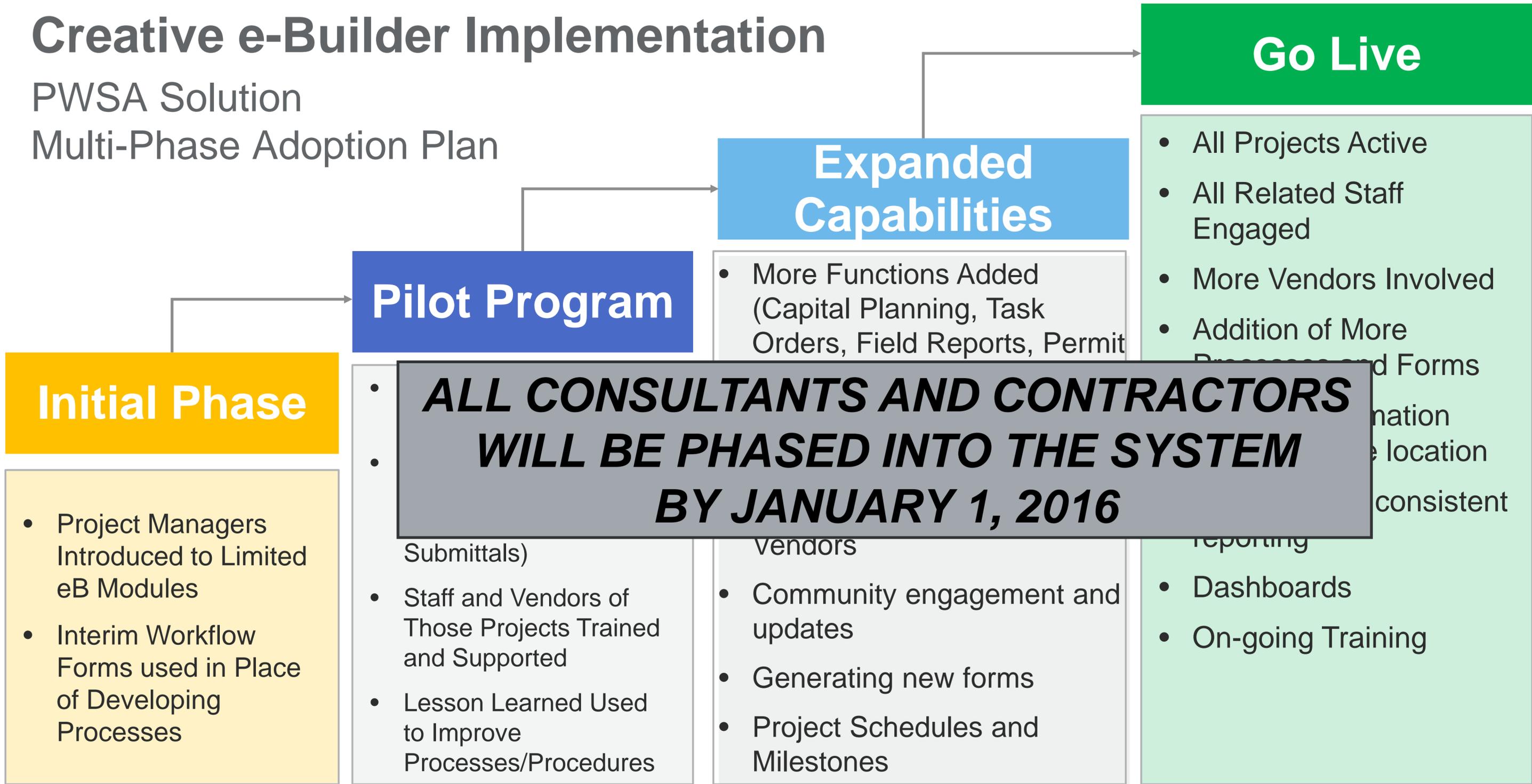


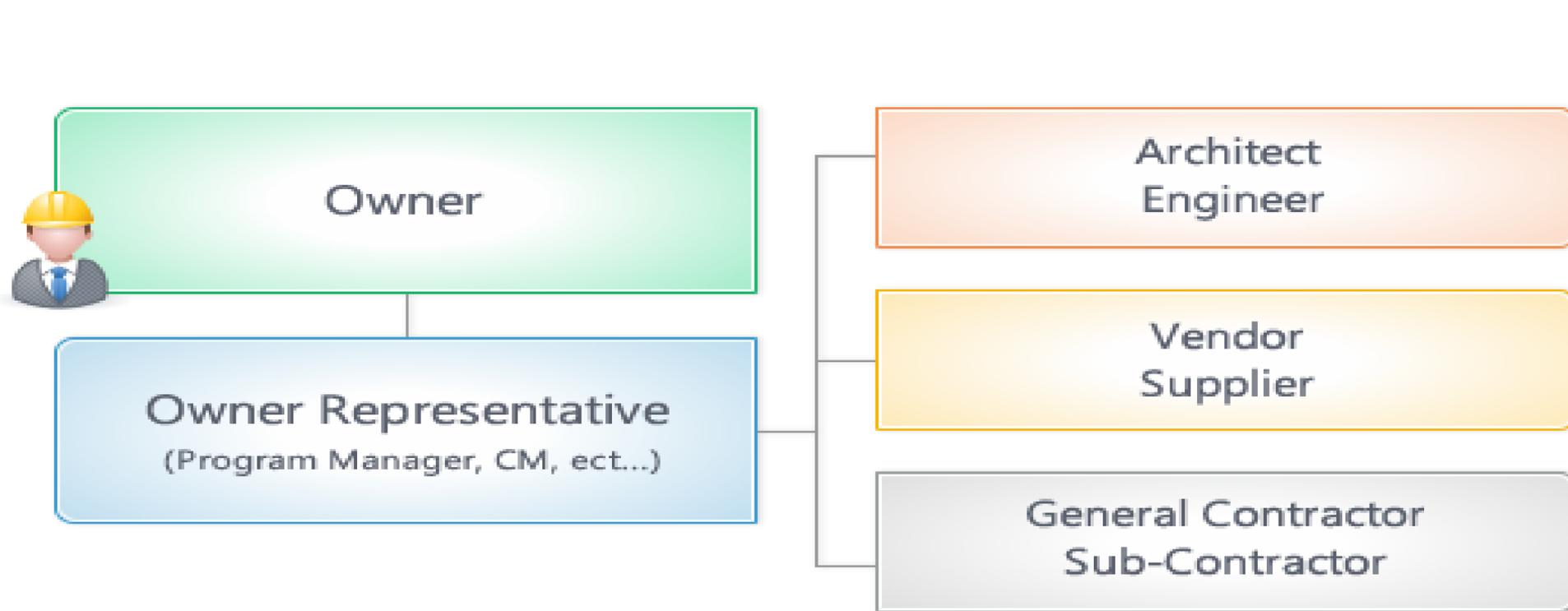
- New Organization
 - Staff
 - Policies/Procedures
- Information Management System
- Updated Contracts
- Improved Payment Schedule

Creative e-Builder Implementation

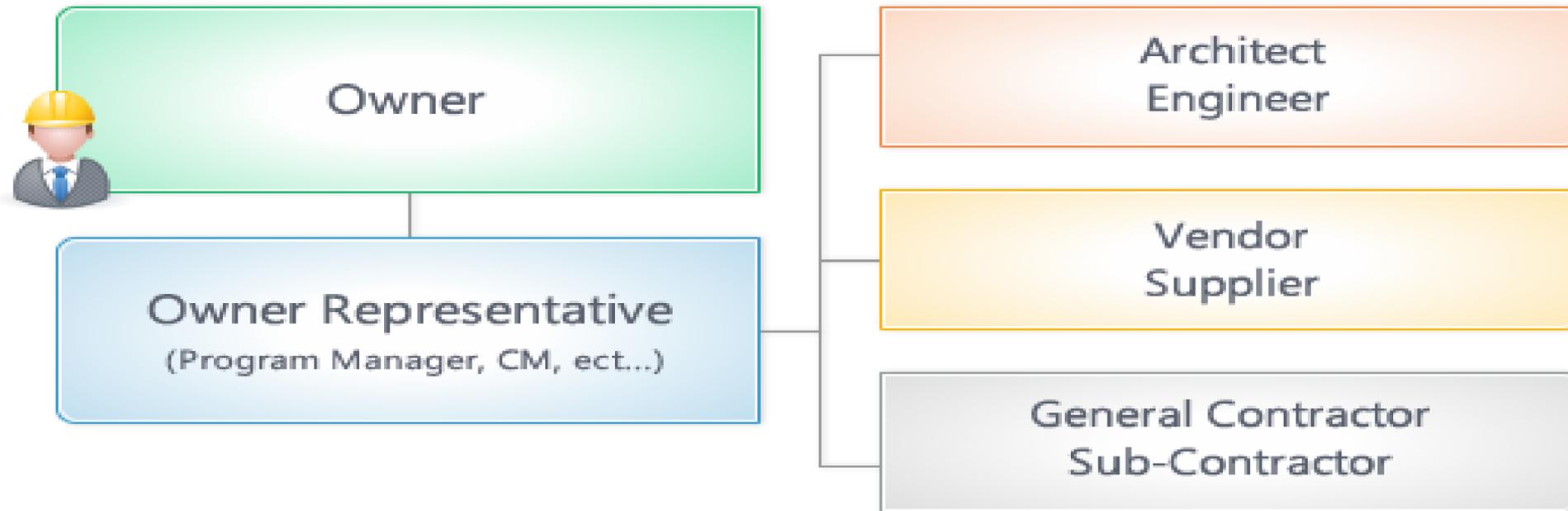
PWSA Solution

Multi-Phase Adoption Plan





- Promote efficient time management
- Provide timely and accurate project status reporting
- Validate and drive down controllable Authority costs (change orders, CM fees)
- Transition from a paper-based environment to a digital



- Expedite Shop Drawing Review
- Document Progress Payment Approvals
- Centralized Status Update System
- All PWSA Consultants and Contractors Will Use System

Results

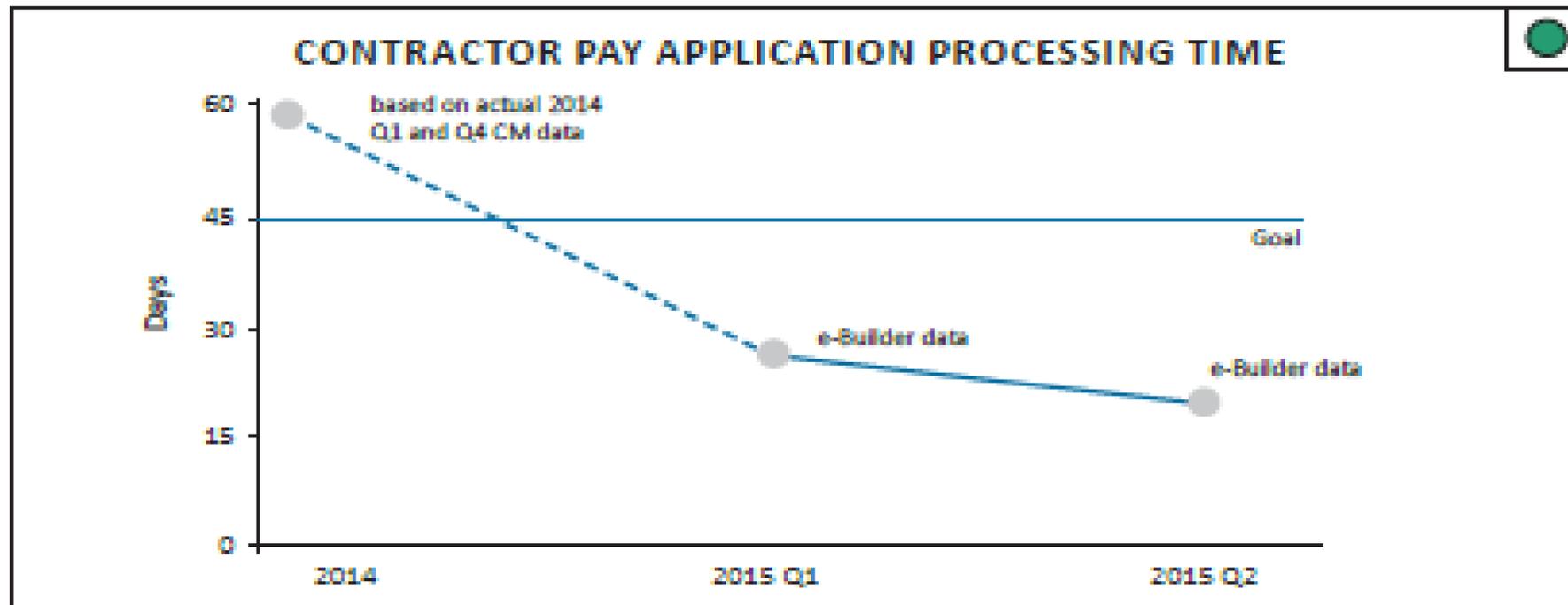
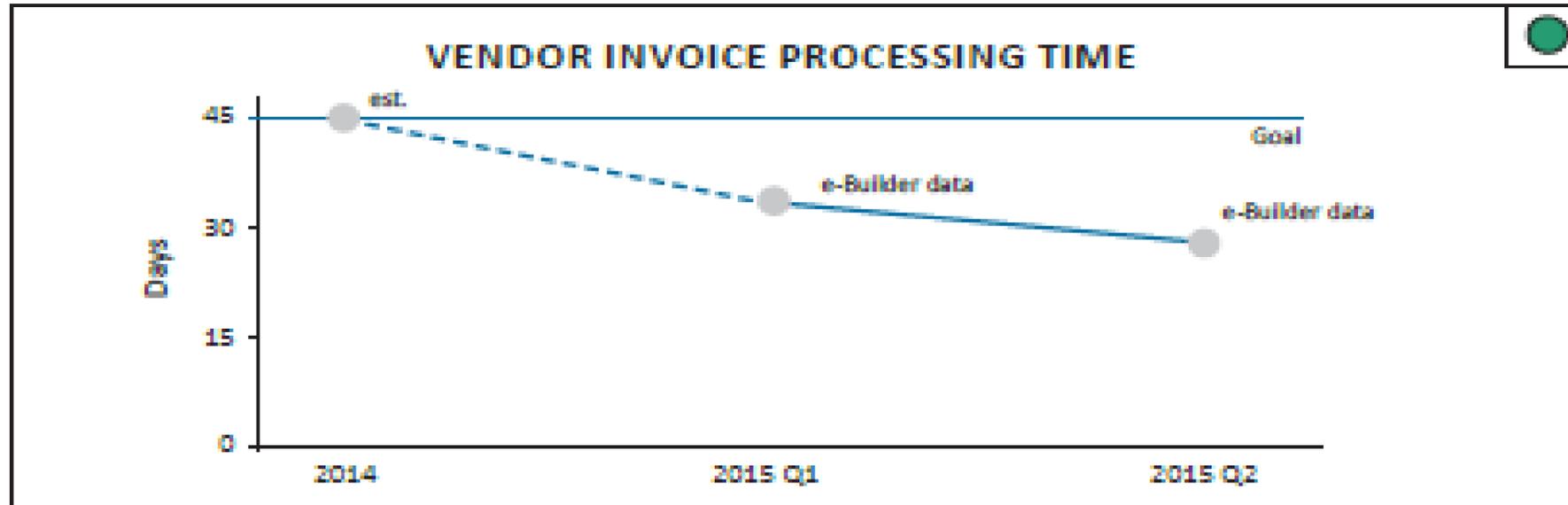


Documents for 2015 Sewer Improvement - 2013-4

Folders

Expand All | Collapse All | Refresh All

- Documents [90]
 - 00 - Background Data [2]
 - 00.01 - Planning Studies & Reports [0]
 - 00.02 - Community Outreach [1]
 - 00.03 - Task Order [1]
 - 00.03.01 - Request [0]
 - 00.03.02 - Proposal [0]
 - 00.03.03 - Authorization [1]
 - 01 - Project Initiation [0]
 - 01.01 - Planning [0]
 - 01.02 - Feasibility Studies [0]
 - 01.03 - Business Case_Risk Register [0]
 - 02 - Estimates [1]
 - 03 - Engineering Design [2]
 - 03.01 - Specifications & Plans [2]
 - 03.01.01 - 30 Percent [0]
 - 03.01.02 - 60 Percent [0]
 - 03.01.03 - 90 Percent [0]
 - 03.01.04 - Final [2]
 - 03.02 - Value Engineering_Constructability R
 - 04 - Procurement [5]
 - 05 - Project Management_Construction [28]
 - 05.01 - Budgets [0]
 - 05.02 - Budget Changes [0]
 - 05.03 - Contracts [0]
 - 05.03.01 - Design_Consultant Contracts
 - 05.03.02 - Contractor Contracts [0]



e-Builder Results Show Immediate Benefits To PWSA Vendors and Contractors

**Metric:
Invoice Approval Time**

**Goal:
30 Days or less**

Note: Pennsylvania Prompt Pay Act recommends 45-day turn-around. Processing time starts once request for payment is entered in e-Builder and ends once it is approved and included in a requisition. Data as of 6/30/15



OUR WEBSITE
(www.pgh2o.com)

Home Page Business Doing Business with PWSA Current Solicitations

The screenshot shows the PGH2O website home page. At the top left is the PGH2O logo. To its right is the tagline "PWSA PROVIDES THE BEST QUALITY WATER AT THE LOWEST POSSIBLE COST." Below the logo are two buttons: "PAY YOUR BILL" and "REPORT A PROBLEM". There are also social media icons for Twitter and RSS, and a search bar with a "GO" button. A navigation menu includes links for HOME, WHO WE ARE, WHAT WE DO, CUSTOMERS, DEVELOPERS, BUSINESS, MEDIA, and LEARNING CENTER. The main content area features a "Collaboration Day" banner with a diagram of a hand pointing to a flowchart and text inviting feedback. To the right of the banner is a vertical list of service links: PAY YOUR BILL, UPDATE CONTACT INFO, CONTACT PWSA, REPORT A PROBLEM, EMPLOYMENT, GOING GREEN, and ADVANCED METERING INFRASTRUCTURE. Below the banner are three columns: "WHAT'S HAPPENING" with news items about grants and repairs; "PROJECT INFO" with updates on sewer and waterline projects; and "TWITTER/OUTAGES" with a tweet from @pgh2o about reporting issues.

