



Cleaner Waters. Better Neighborhoods.

DigIndy Program Update



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Presentation Overview

- About Citizens Energy Group
- Consent Decree Dashboard
- DigIndy Program Update
- Regulatory Compliance



A Matter of Trust

- Public Charitable Trust
- Driven by Commitment to Customers
- Diverse Group of Businesses and Initiatives:
 - Citizens Gas
 - Citizens Water
 - Citizens Thermal
 - Citizens Resources



Unique Relationship with
Customers ***“Utility with a Heart”***

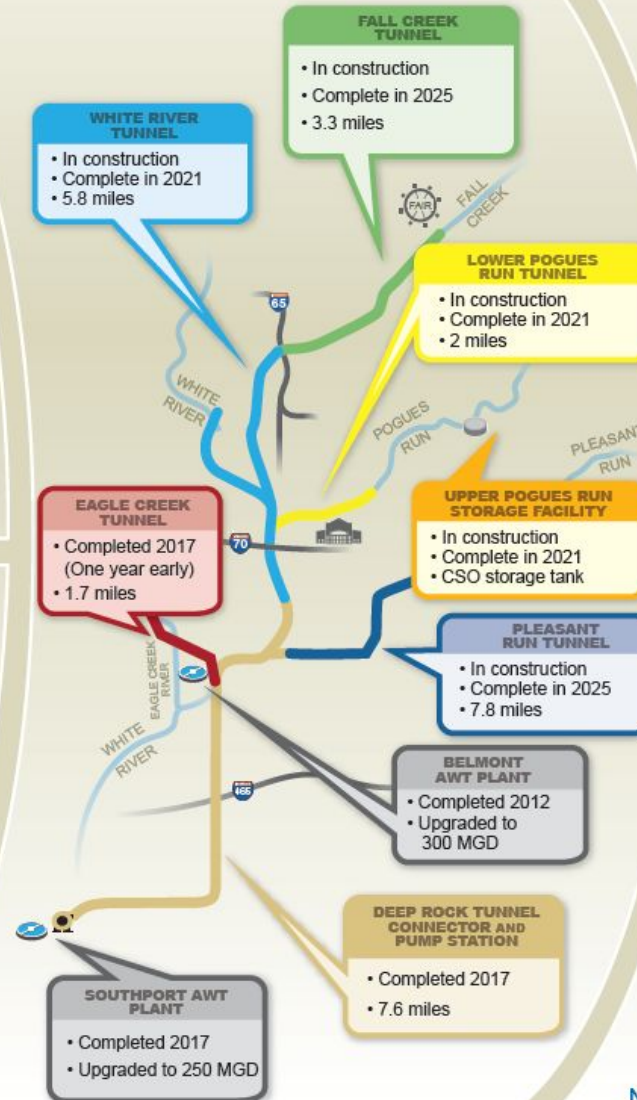
Consent Decree Cost (2016 Dollars)



STRATEGIES FOR SUCCESS

Consent Decree currently \$400M under budget

Primary Consent Decree Projects



Total trees planted by Dec 2020:

4,800

- = 100 trees planted to date
- = 100 trees planned through 2024



This initiative offers a unique and cost-effective solution to reduce sewage overflows. One mature tree can store up to 100 gallons of water. Trees also provide community benefits such as: traffic calming, improved air/soil quality, and increased property values.

Combined Sewer Overflow Control Measures



Control Measures are associated with projects and specific design and performance criteria in the Consent Decree. Citizens is currently ahead of schedule on final Control Measure completion.

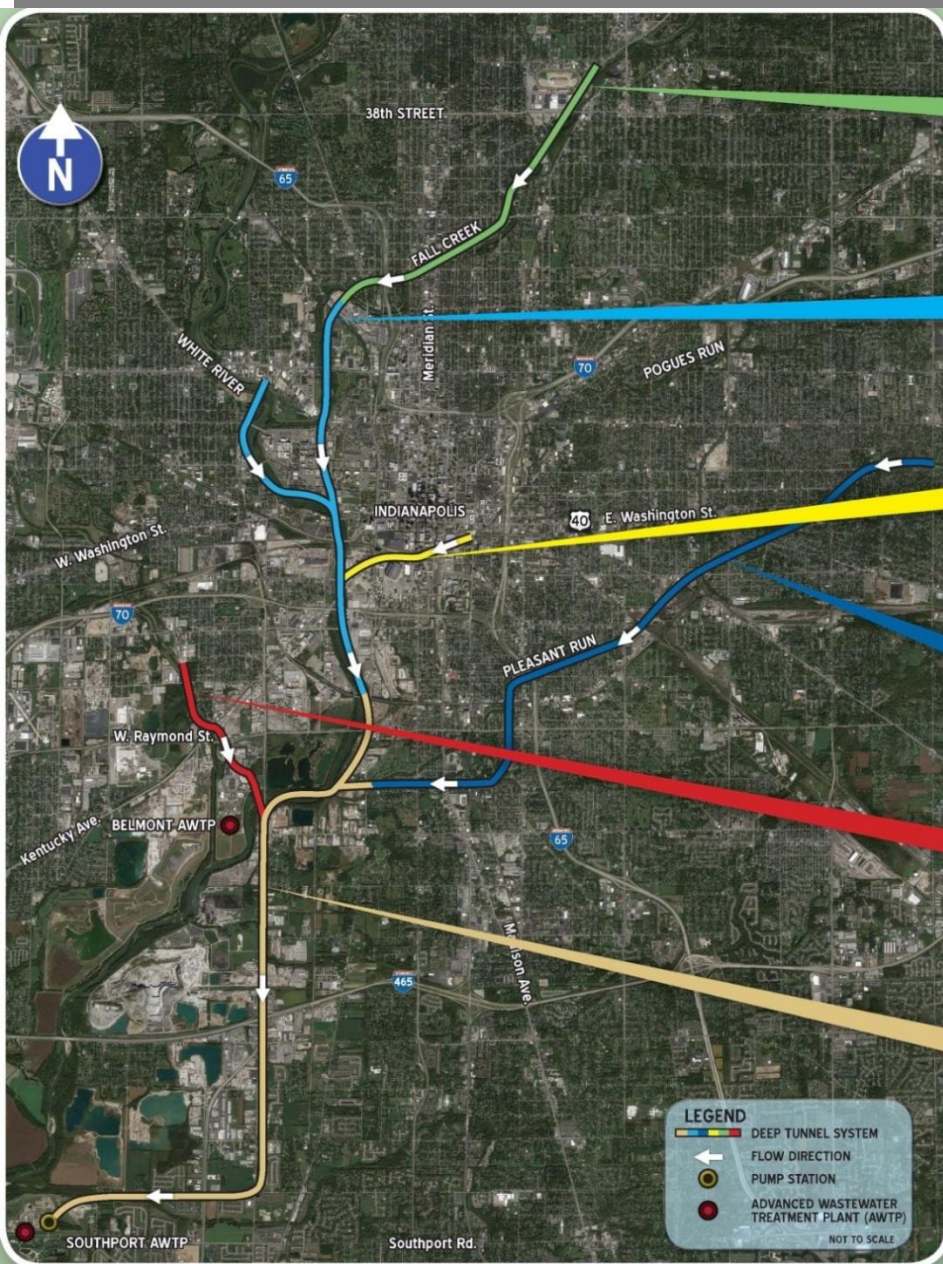
Quick Links

Follow these links to learn more about Consent Decree projects and programs.

- [Overview 1](#)
- [DigIndy Tunnel System 2](#)
- [Deep Rock Tunnel Connector Pump Station 8](#)
- [Eagle Creek CSO Abatement Project 9](#)
- [Upper Pogue's Run Storage Facility 10](#)
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- [Consent Decree Schedule 14](#)
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DigIndy Tunnel System Construction Timeline





FALL CREEK DEEP TUNNEL

- 3.8 miles of 18-foot finished diameter tunnel
- 13 drop shafts
- 4,400 feet of 24-inch to 108-inch diameter consolidation sewers

WHITE RIVER DEEP TUNNEL

- 5.8 miles of 18-foot finished diameter tunnel
- 7 drop shafts
- 4,800 feet of 42-inch to 108-inch diameter consolidation sewers

LOWER POGUES RUN DEEP TUNNEL

- 1.8 miles of 18-foot finished diameter tunnel
- 3 drop shafts
- 1,400 feet of 72-inch to 144-inch diameter consolidation sewers

PLEASANT RUN DEEP TUNNEL

- 7.3 miles of 18-foot finished diameter tunnel
- 10 drop shafts
- 19,600 feet of 24-inch to 72-inch diameter consolidation sewers

EAGLE CREEK DEEP TUNNEL

- 1.7 miles of 18-foot finished diameter tunnel
- 1 drop shaft
- 2,800 feet of 48-inch diameter consolidation sewers

DEEP ROCK TUNNEL CONNECTOR AND PUMP STATION

- 7.6 miles of 18-foot finished diameter tunnel to Southport AWTP
- 3 drop shafts
- 90 mgd tunnel pump station at Southport AWTP

DIG
INDY

DigIndy Bored Tunnel



DigIndy Concrete Lined Tunnel

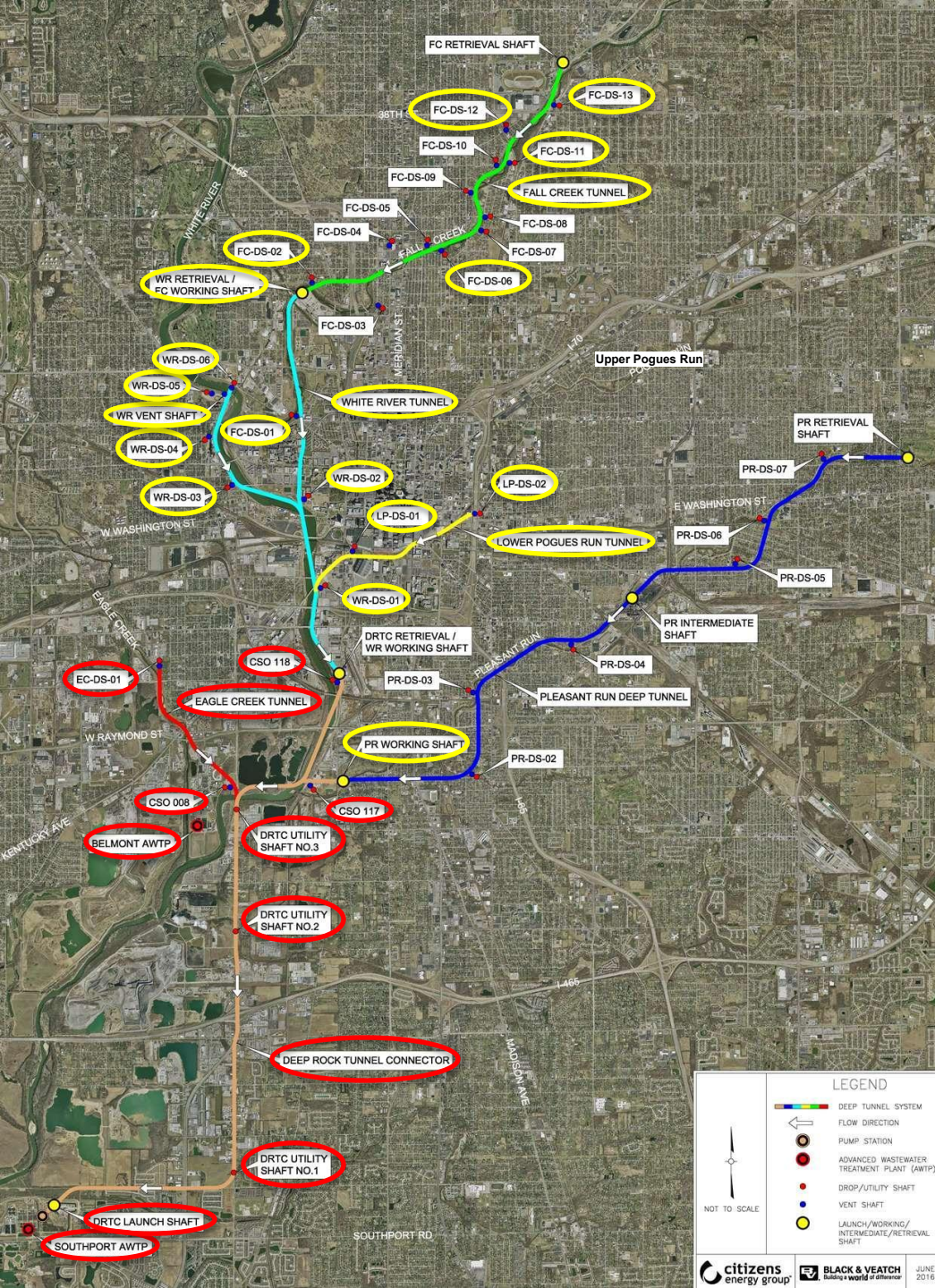


DigIndy Segment Bifurcation



DRTC Pump Station Cavern





DigIndy System-Wide Project Locations



DigIndy Drop Shaft



DigIndy Drop Shaft

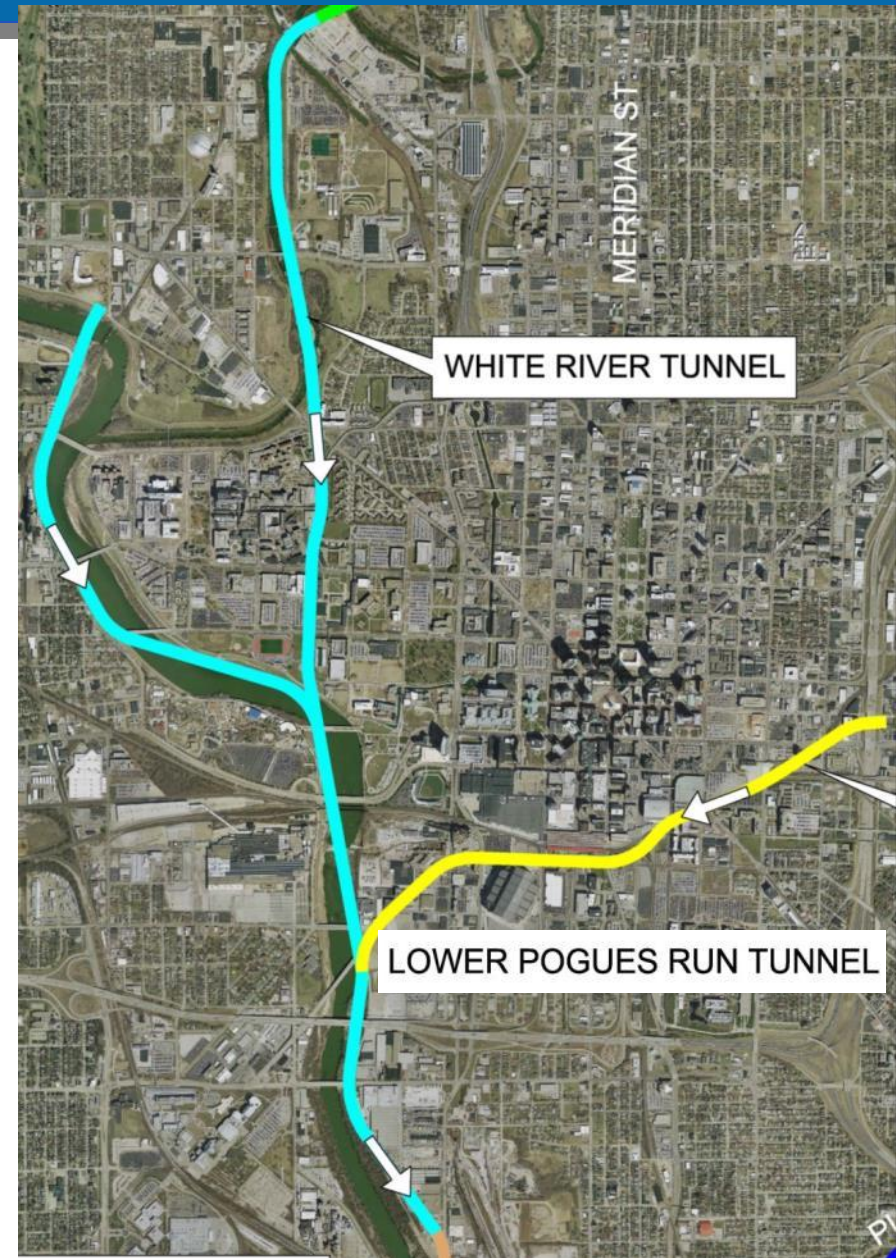


Colts Opposing Team Drop Shaft

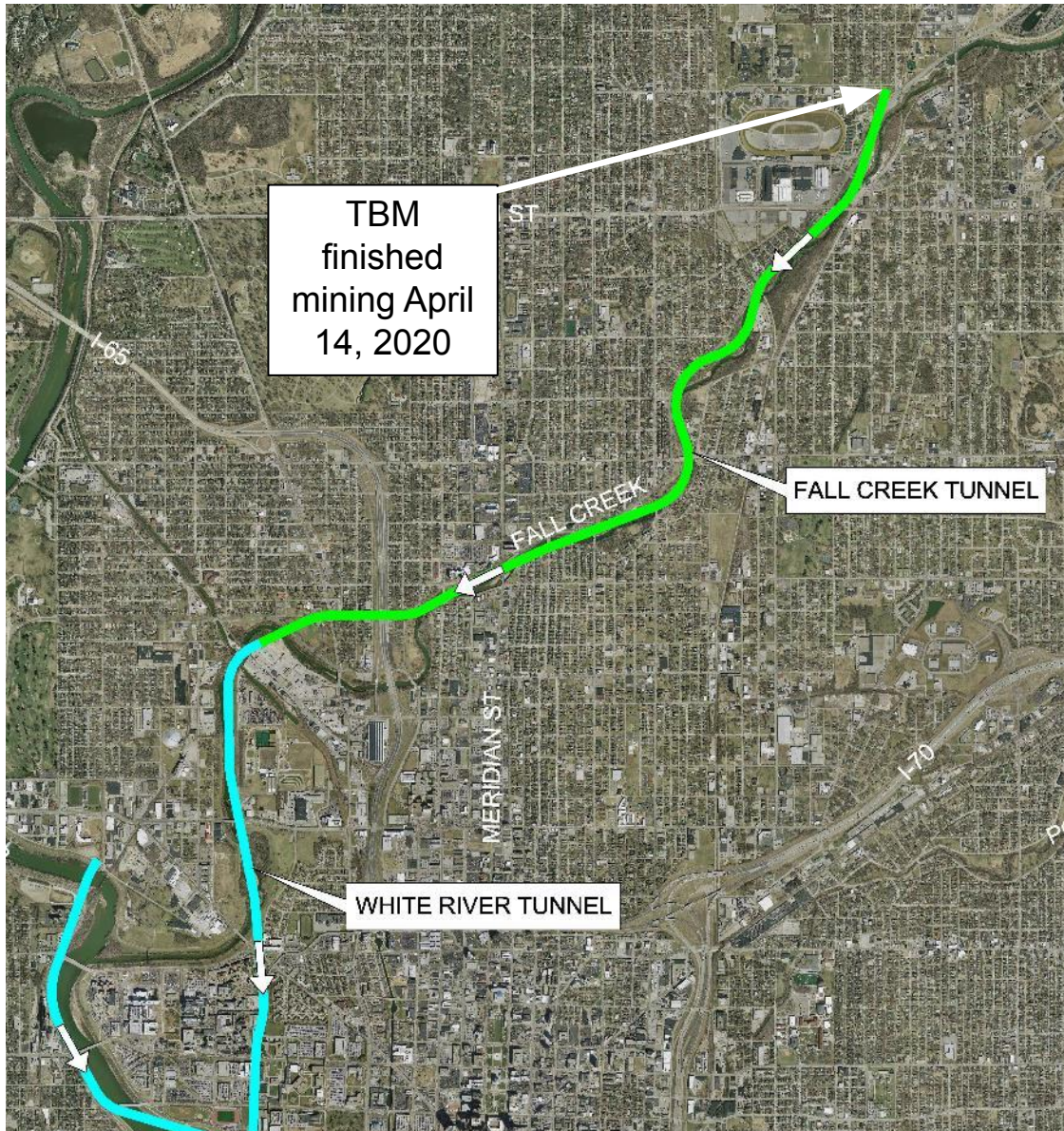


White River & Lower Pogues Run Tunnels

- All mining complete as of April 2019 (40,800 feet)
- Lining operations ongoing
- 23,000 feet lined to date
- Consolidation and drop shaft work ongoing
- AFO December 31, 2021



Fall Creek Tunnel



- 5th leg of DigIndy system
- 3.3 miles feet of rock tunnel
- Mining began September 2019
- Big Milestone – Mining was completed April 14, 2020
- December 31, 2025

Fall Creek Tunnel Breakthrough



TBM Transport



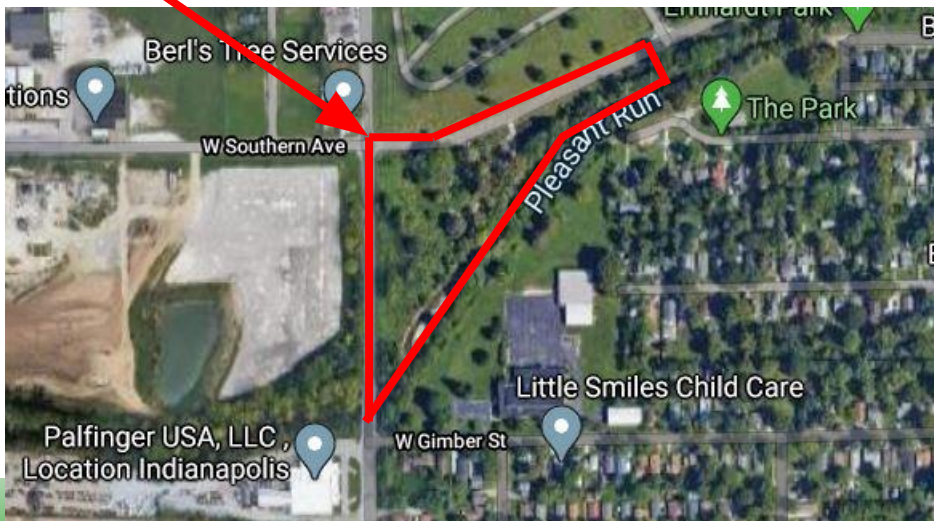
TBM Transport





Pleasant Run Tunnel

- 6th leg of DigIndy system
- 7.8 miles feet of rock tunnel
- Launch shaft construction ongoing
- TBM refurbishment ongoing
- Mining scheduled to begin March 2021
- December 31, 2025



Pleasant Run Tunnel – TBM Refurbishment



Regulatory

- 20 Year Long Term Control Plan (LTCP) – 2006-2025
- ~70% Spend on \$2B Consent Decree (CD) - 2019
- Use Attainability Analysis (UAA) - Part of CD
 - Initial Submittal – 2010
 - Revised Submittal – May 2019
 - 4 Factors Submitted including Financial Burden
 - Accepted by Indiana Dept. of Env. Mgmt. (IDEM) – August 2019
 - U.S. EPA Acceptance – July 2020



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Questions?

