

PCGenesis

Current Status & Future Plans

GASBO

Augusta, GA

November 8, 2023

Agenda

- **Introduction**
- Migration to Database Technology
- C# Code Conversion
- What's Next
- Enhancements from 2023
- Getting Ready for 2024 GHI
- PCGenesis Broadcast E-mail List



PCGenesis

Sessions/Training at GASBO

- **Session 1 – 9:00** *Wed 11/8/2023*
 - PCGenesis Future Plans by Jay Heap
- **Session 2 – 10:15** *Wed 11/8/2023*
 - **PCGenesis Current Status & Future Plans**
- **Session 3 – 11:20** *Wed 11/8/2023*
 - Ransomware Attacks and Backing Up PCGenesis
- **Session 4 – 2:20** *Wed 11/8/2023*
 - PCGenesis and the CPI Process
- **Session 5 – 3:40** *Wed 11/8/2023*
 - Handling Payroll Issues & Other Advanced Features
- **Session 6 – 9:00** *Thur 11/9/2023*
 - Database Enhancements for PCGenesis
- **Session 7– 10:15** *Thur 11/9/2023*
 - Enhanced Substitute Pay and Employee Leave System
- **Session 8 – 11:20** *Thur 11/9/2023*
 - PCGenesis Roundtable

PowerPoints Available on Documentation Website

PCGenesis

Financial Accounting and Reporting System Operations Guide

Payroll System Operations Guide

Personnel System Operations Guide

Certified/Classified Personnel Information (CPI) System Operations Guide

Budget System Operations Guide

LUAS Manual

Technical System Operations Guide

Release Information

Release Information

Calendar Year 2023 Release Information

- Release 23.03.00 – Miscellaneous Changes / Conversion to PCGenesisDB Database / Installation Instructions
- Release 23.02.00 – 2023 Fiscal Year-End Updates / Conversion to PCGenesisDB Database / Installation Instructions
- Release 23.01.00 – Miscellaneous Changes / Conversion to PCGenesisDB Database / Installation Instructions

Calendar Year 2022 Release Information

- Release 22.04.00 – Calendar Year 2022 Year-End Closing Procedures / Miscellaneous Updates / Installation Instructions
- 2023 SHBP Employee Premiums
- Release 22.03.00 – Miscellaneous Changes / Conversion to PCGenesisDB Database / Installation Instructions
- Release 22.02.00 – 2022 Fiscal Year-End Updates / Conversion to PCGenesisDB Database / Installation Instructions
- Release 22.01.00 – Miscellaneous Updates / Conversion to PCGenesisDB Database / Installation Instructions

Calendar Year 2022 PowerPoints

- GASBO 2022 Session 1 - PCGenesis Current Status and Future Plans
- GASBO 2022 Session 2 - Ransomware Attacks and Backing Up PCGenesis
- GASBO 2022 Session 3 - PCGenesis and the CPI Process

2023 GASBO PowerPoints will be available on PCG documentation website

PCGenesis Current Status

The PCGenesis Development Team:

- **Diane Ochala**
- **Angela Tennyson**
- **Karen McArthur**

PCGenesis Current Status

The PCGenesis development team reports to:

- **Steve Roache**, Director, Financial Applications Development
- Steve Roache reports to **Jay Heap**, Associate Superintendent for Enterprise Services and Applications
- Jay Heap reports to **Dr. Keith Osburn**, Chief Information Officer, Deputy Superintendent for Technology Services

PCGenesis Current Status

The PCGenesis development team provides updates to:

- **Amy Rowell**, Director, Financial Review.
- Amy Rowell reports to **Rusk Roam**, Chief Financial Officer.

PCGenesis Current Status

In addition to the three developers, we have two help desk personnel.

- **Katie Green**
- **Stephanie Smith**

The PCGenesis help desk reports to:

- **Jesse Peavy**, Data Collections & Validations Manager
- Jesse Peavy reports to **Nicholas Handville**, Chief Data and Privacy Officer Technology Services

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- **Migration to Database Technology**
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PCGENESIS FUTURE

Migration to Database Technology

- We have basically completed the move of all PCGenesis data to a **SQL Server** database.
- We are using a FREE version of SQL Server called **Microsoft SQL Server Express**.



Migration to Database Technology

Where is most PCGenesis production data stored today?

~~K:\SECOND~~

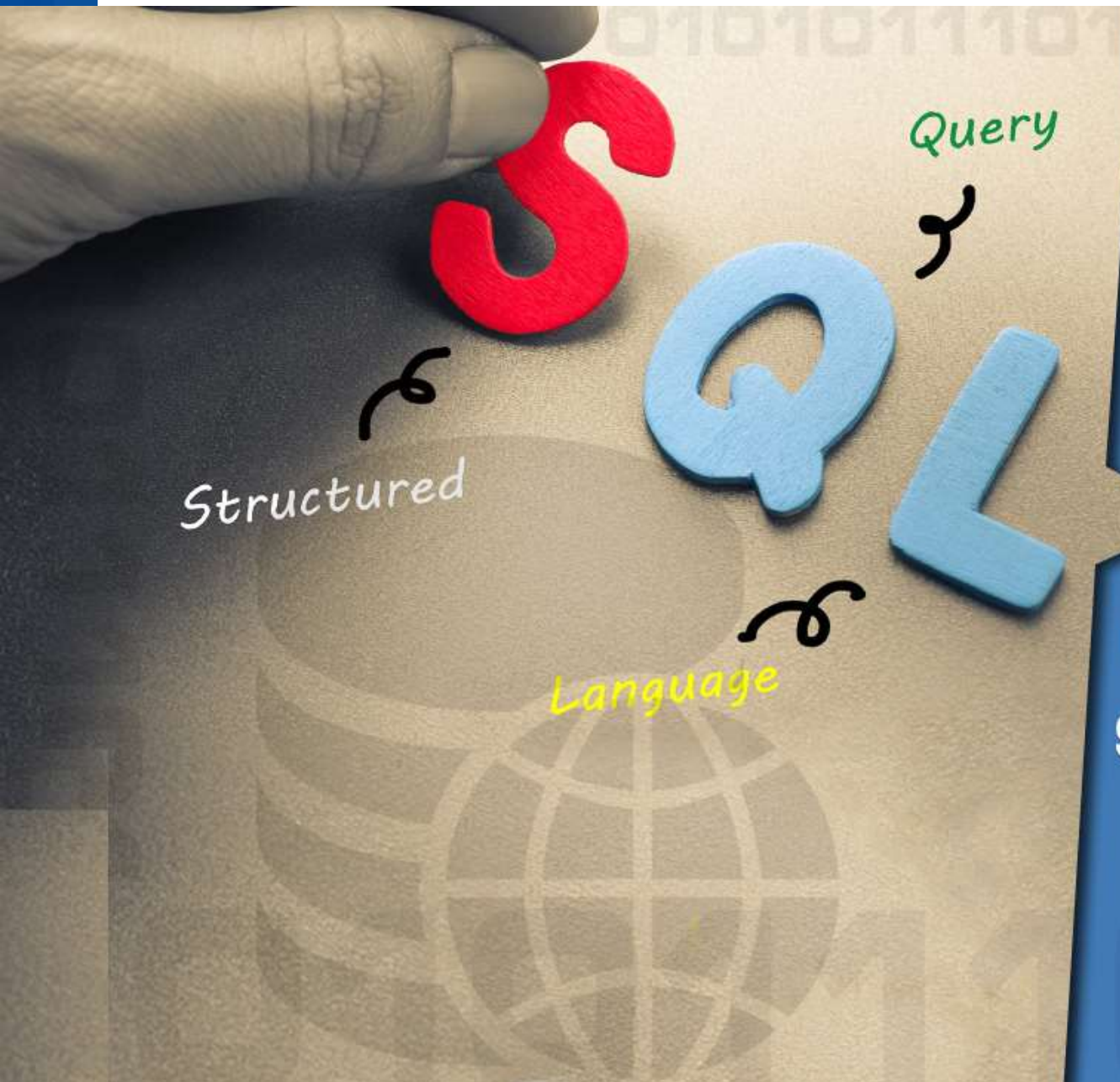
Migration to Database Technology

Where is most PCGenesis production data stored today?

~~K:\SECOND~~

K:\PCGSQldb 

Advantages of a Relational Database



Microsoft SQL server is one of the most robust DBMS software used globally.

What's Left to Convert?

CPIDATA

- **CPIPCNTL** – CPI Control Parameters
- **CPIXREF** – Cross reference file for CPI: SSN's to Empnos
- **SALSCHED** – CPI State Salary Schedules

What's Left to Convert?

FARDATA

- **BANKMICR** – MICR setup parameters for checks
- **SEQ3** – Select payables for a vendor check run
- **SIGNATUR** – Signature card setup parameters
- **SNUIFUND** – DE106 School Food Service parameters

What's Left to Convert?

PAYDATA

- **BENEDED** – SHBP employee premium rates
- **@ADDL** – Added employees in the current payroll run
- **@ADDM** – Control file for printing manual checks
- **PRSTATE** – State postal abbreviations
- **VOIDS** – Payroll voids in the current payroll run
- **XDEDUCT** – Payroll voids, associated employee deductions
- **XGROSDAT** – Payroll voids, associated gross data

What's Left to Convert?

PERDATA

- **ACAIRSD** – ACA IRS Receipt Detail Data
- **ACAIRSR** – ACA IRS Receipt Header Data
- **HRLAB** – CPI Leave of Absence File

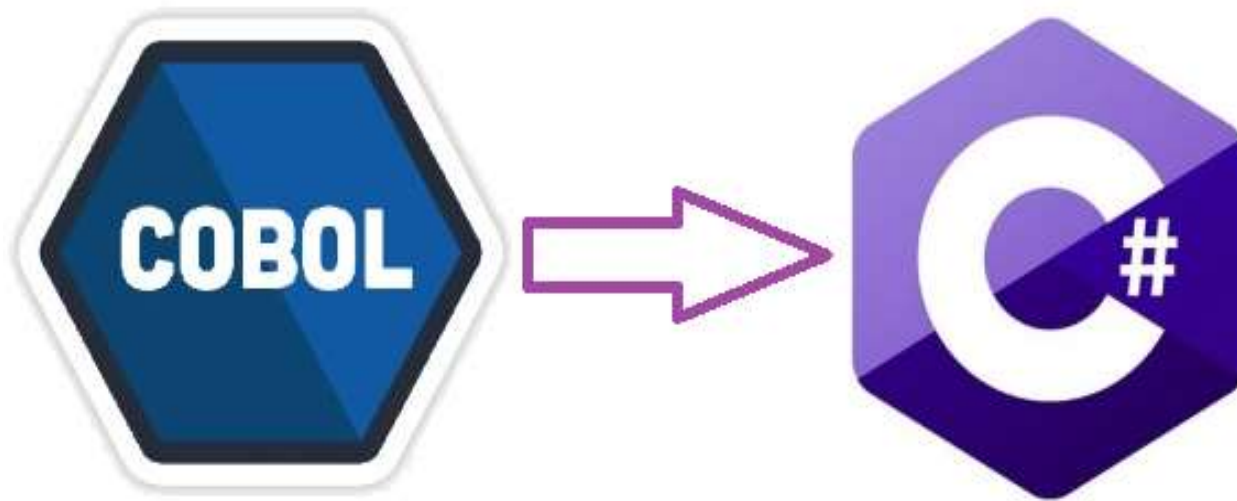
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C# Conversion Project

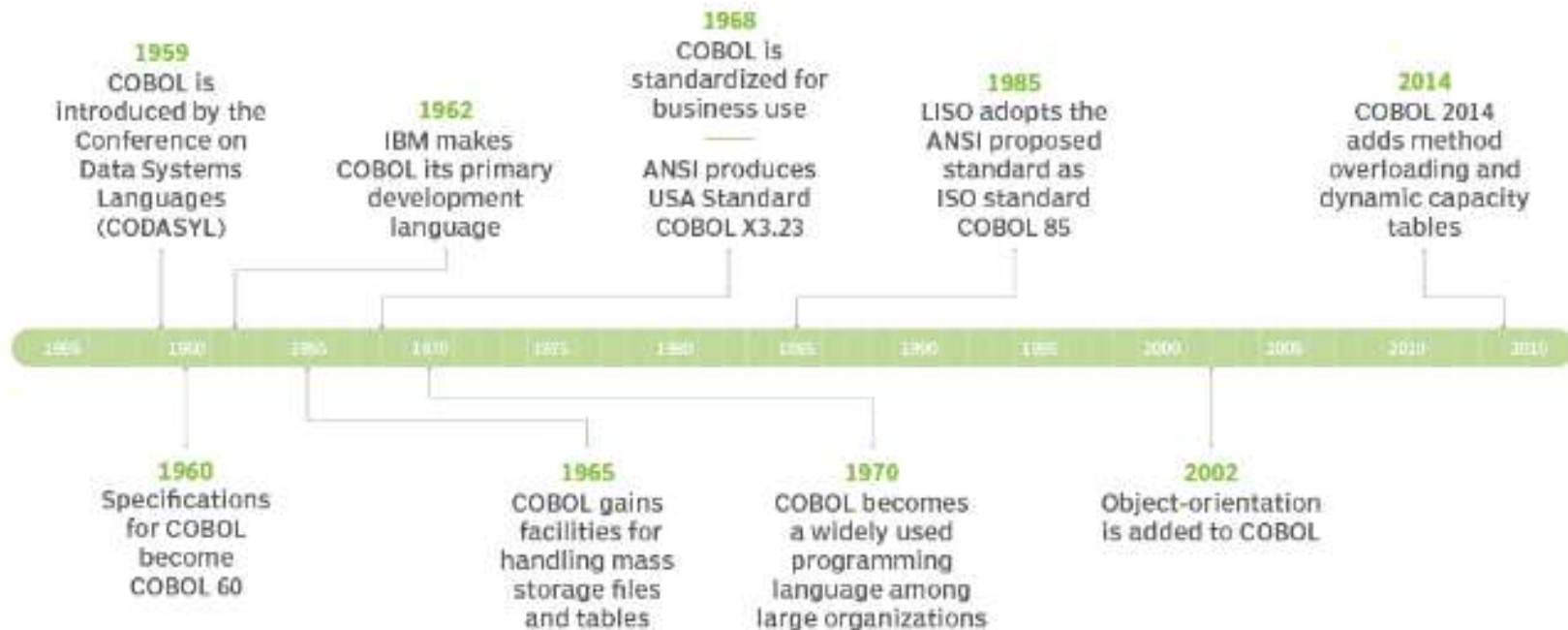
- Approximately a two-year project



C# Conversion Project

- The programming language COBOL has been around for **65 years** in some form or another.

A History of COBOL



C# Conversion Project

- Cobol is still being used by many big banks, insurance companies, and public organizations to run core business processes:
 - Paying unemployment benefits
 - Dispersing money from ATMs
 - Processing your IRS tax return
 - Processing your health or car insurance
 - Providing the backbone of many financial and payroll applications

C# Conversion Project

- The importance, and brittleness, of these systems was on show back in April 2020, at the height of the COVID-19 pandemic
- Various state agencies from New Jersey to Kansas started to put out desperate pleas for **Cobol programmers** to ***volunteer*** or ***come out of retirement*** to keep their creaking unemployment systems running in the face of unprecedented demand



C# Conversion Project

- The legacy programming language (COBOL) refuses to die and is still powering millions of daily transactions
- Cobol does the job, but it's hard to maintain and integrate
- These 20- to 30-year-old apps have served the business well, but they accumulate technical debt and are very specific to a particular business
- COBOL is a functionally rich language, but it happens to run on a platform that is restrictive and doesn't play with other modern systems

C# Conversion Project

- **Limited flexibility**
- The GA DOE is rapidly moving to modern environments and practices such as DevOps and the Cloud
- COBOL and the underlying systems that support it were not designed for modern IT
- This results in difficult integrations and limited flexibility

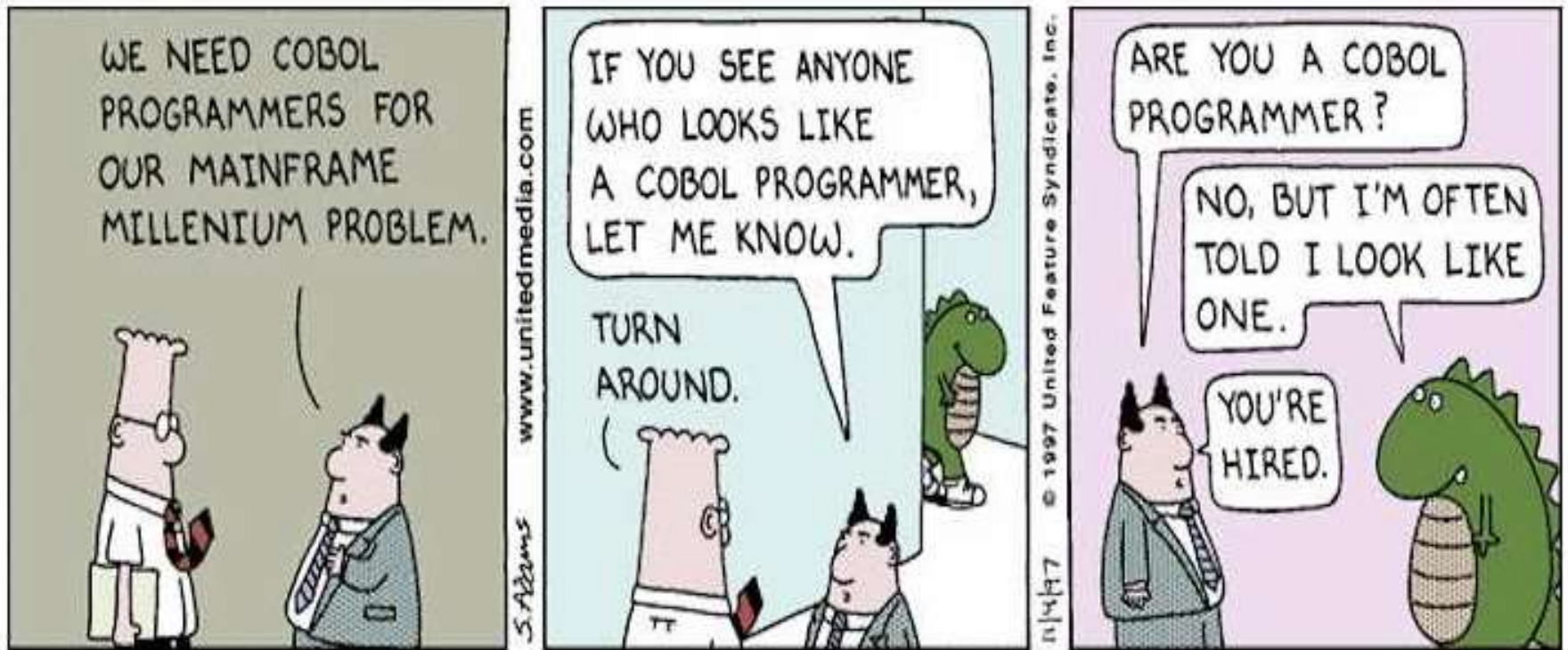
C# Conversion Project

- PCGenesis was first written around **1989!**
- PCGenesis was first written as an insurance claim application!
- PCGenesis was first written to run on a Wang Laboratories VS computer!
- PCGenesis was first written in the Wang proprietary COBOL language!
- PCGenesis has been running in school districts for around **36 years!**
- **NO ONE EVER THOUGHT THESE APPLICATIONS WOULD BE RUNNING THIS LONG!**

C# Conversion Project

- For many organizations, that age shows
- People who can maintain mainframe-based Cobol applications are becoming harder and harder to find
- Most computer science programs aren't teaching COBOL any more
- Developers who understand COBOL and mainframe technology are reaching retirement age and no one is trained to replace them
- And so... there is a **steadily diminishing talent pool**
- As the talent shortage grows, the costs and risks of relying on COBOL continue to rise

C# Conversion Project



C# Conversion Project

- The first PCGenesis crisis occurred around 2000
- Wang Laboratories was in trouble and the future of the company didn't look good
- Decisions had to be made
- Georgia contracted with the financial and human resources company SAP for \$20 million dollars to provide a new application
- Georgia attempted to convert school districts to the **SAP** third party financial application
- **The project failed!**

C# Conversion Project

- How to modernize Cobol applications?
- You could try and find a similar piece of software off the shelf (like the SAP solution attempted in 2000)
- Conduct a straight lift-and-shift of the application onto cheaper infrastructure
 - A straight copy of an application from a legacy platform to a more modern one, without making any changes to the design of the application.
 - This often requires using an emulator on the target platform to enable the application to continue to run as before.
- Commit to a wholesale application rewrite into a modern language like Java or C#
- All these routes are fraught with risk!

C# Conversion Project

The Total Rewrite Option

- You break down the application and rewrite it in a more modern language
- The challenge with a rewrite:
 - These systems are 30 years old with limited documentation.
 - No one person understands it end to end.
 - The conversion takes a long, long time
- *Maybe* it will be done right, but by the time the project is finished you're probably already be behind

C# Conversion Project

The Year 2000

- After the conversion to SAP failed in 2000 the GA DOE brought in the company **UNICON**
- The GA DOE decided to keep the PCGenesis application
- The GA DOE decided to convert PCGenesis from Wang COBOL to ACUCobol
- **UNICON** handled the very successful code conversion in 2000
- **UNICON** wrote the majority of the PCGenesis run-time environment during the 2000 conversion
- **UNICON** provided an automated conversion

C# Conversion Project

- Today the company UNICON is know as **VerraDyne!**



IBM Migration & Modernization | Cobol Conversion |
VerraDyne

C# Conversion Project

- The GA DOE has selected **VerraDyne** to provide an automated code conversion from COBOL to C#
- **VerraDyne** is already very familiar with the PCGenesis source code
- The GA DOE selected **VerraDyne** to provide PCGenesis with a print file manager – the **VerraDyne** print queue that we use today
- **VerraDyne** has a long history of working successfully with the GA DOE

C# Conversion Project

- The GA DOE is in a position today to convert PCGenesis because of the work we have already done to convert to a database
- The PCGenesis data has already been “normalized”
- Without this step, the GA DOE might not have considered keeping PCGenesis, but would instead be looking for a replacement

C# Conversion Project

- After conversion the PCGenesis application will operate in true native mode – no emulations!
 - Screens will be converted to Winforms or ASPX .Net
 - The remaining indexed data files will be converted to SQL Server database
 - Programs will be converted to C# in the .Net environment
 - Job command scripts will be converted to Windows scripting language

Quick facts about C#

- C# is a modern, **object-oriented programming language** developed by Microsoft
- It was first **introduced in 2000** as part of Microsoft's .NET framework
- C# is simple, powerful
- C# is used to build **desktop, web, game, and mobile applications**
- C# supports both static and dynamic typing
- It includes a **garbage collector** that automatically manages memory allocation and deallocation

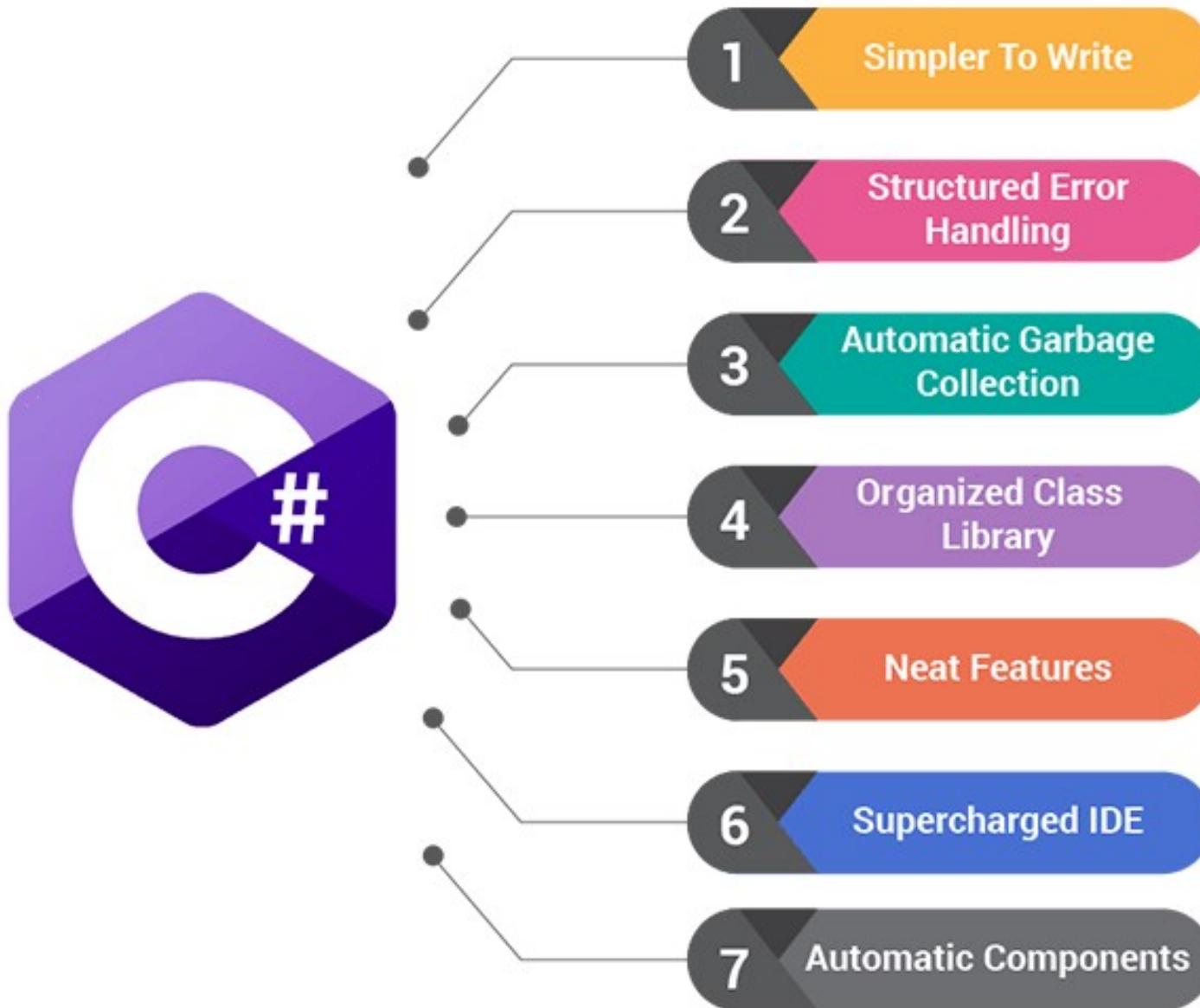
Quick facts about .NET

- .NET is a **software development framework created by Microsoft** that provides a platform for developing and running applications on several operating systems, like **Windows**, macOS, and Linux
- It was first **introduced in 2000** and has since expanded into a set of powerful tools and frameworks for building modern and robust applications
- .NET **supports a wide range of programming languages**, including **C#**, Visual Basic, F#, and others
- .NET has a large library of pre-built classes and functions, known as the **.NET Framework Class Library**, which improves efficiency in developing applications

Six Reasons to Develop in .NET and C#

1. Cross-platform development
2. Integration with Microsoft products
3. Scalability
4. High demand in the job market
5. Active developer community
6. Easy to learn

C# Conversion Project



PCGENESIS FUTURE C# Conversion Project

This is all great news for
PCGenesis!!

PCGENESIS FUTURE

Questions?

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23.03.01

November Release

- **2024 SHBP Premiums**

- For the November release, the development team will post a single file which contains the new SHBP health premiums

GHIRATES2024.csv

- The 23.03.01 release document will provide instructions for uploading the csv file into PCGenesis

23.04.00

December Release

The December, 2023 release will focus on legislative changes:

- Federal tax withholding tables and FICA limits will change
- Affordable Care Act (ACA) changes
- PCGenesis supports both
 - 1099-MISC
 - 1099-NEC

23.04.00

December Release

The December, 2023 release will focus on legislative changes:

- We don't see any significant changes for W-2's
- PCGenesis will support any new requirements for ACA

23.04.00

December Release

1099 Electronic Filing Requirements:

- On February 21, 2023, the Department of the Treasury and the Internal Revenue Service (IRS) published final filing regulations
- Filers of **10 or more returns** in a calendar year beginning in 2024, tax year 2023, **must file those returns electronically**

23.04.00

December Release

Add support for GSEPS pension

- Georgia State Employees' Pension and Savings Plan (GSEPS)
- GSEPS includes a defined contribution pension similar to New ERS
 - Employer share for FY 2024 is **25.51 %**
 - Employee share for FY 2024 is **01.25 %**

23.04.00

December Release

Add support for GSEPS pension

- Georgia State Employees' Pension and **Savings Plan** (GSEPS)
- During the 2022 Legislative Session, the Georgia General Assembly approved a significant increase in the state 401(k) employer match

23.04.00

December Release

Add support for GSEPS pension

- Your state employer will match your contribution dollar per dollar, up to 5% of pay
- Members saving 5% or more receive a full 5% match

23.04.00

December Release

Add support for GSEPS pension

- GSEPS members with at least **six** **years of service**
- And who are contributing at least 5%
- Get an additional half percent employer match for every full year of service in excess of 5 years
- Up to a **maximum match of 9%**

23.04.00

December Release

Add support for GSEPS pension

Years of Service	Employer Contribution
Less than 6 years	5.0%
6 years	5.5%
7 years	6.0%
8 years	6.5%
9 years	7.0%
10 years	7.5%
11 years	8.0%
12 years	8.5%
13+ years	9.0%

23.04.00

December Release

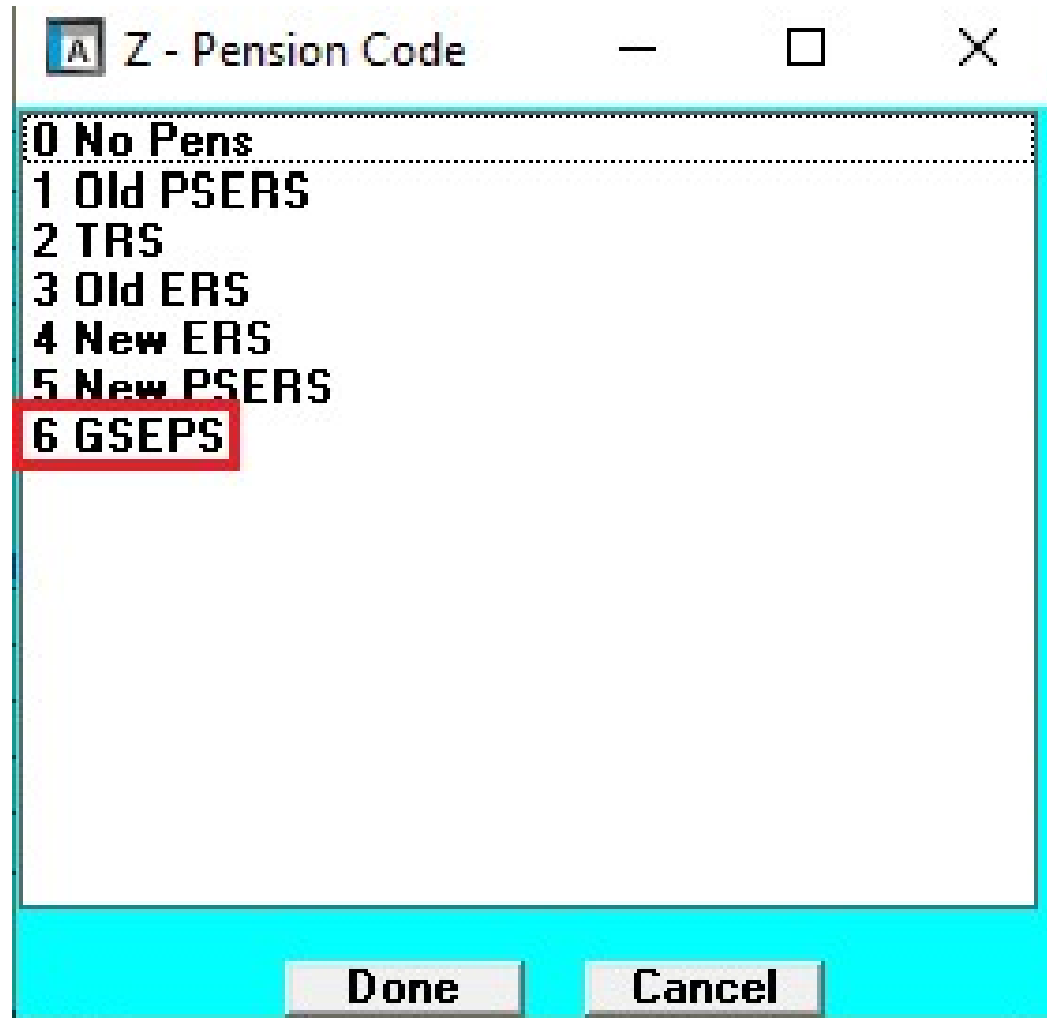
Add support for GSEPS pension

- Employer matching funds are subject to the 401(k) vesting schedule
 - 20% vesting per year until fully vested at 5 years of continuous GSEPS service

23.04.00

December Release

Add support for GSEPS pension



23.04.00

December Release

Add support for GSEPS pension

PCG Dist=7051 Rel=23.02.00 10/20/2023 DOD 003 SV C:\SQLSYS C:\SECOND YELLOW

Setup Payroll for a New Payroll Run PAYDATE

Enter a 'Y' next to the pension types to be deducted on this payroll run:

(1) Old PSERS	<u>Y</u>
(2) TRS	<u>Y</u>
(3) OLDERS	<u>Y</u>
(4) NEWERS	<u>Y</u>
(5) New PSERS	<u>Y</u>
(6) GSEPS	-

ENTER = Continue, F16 = Exit

ENTER ✓	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F15
F16	F17	F18									Help		

23.04.00

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2023 Enhancements 401(a) Support

PCG Dist=7831 Rel=23.02.00 10/30/2023 DOD 001 SV CASQSYS CASECOND YELLOW

Annuity File Maintenance PAY0300

Company number: 4 Vendor#: 312
Vendor Name: UALIC

Annuity co. name: 401(A) ANNUITY
(Leave name blank to default to vendor name)

Annuity short desc: 401(A)

Annuity type: A 'A' = 401(a) 'F' = 408(k)(6)
'D' = 401(k) 'G' = 457
'E' = 403(b) 'H' = 501(c)(18)(d)

Mandatory annuity: Y (Y OR N)

----- Employer Contribution Information -----

Employer contribution indicator: 0 0 = None
1 = Fixed amount
2 = % of annuity gross
3 = % of employee's contribution
4 = % of annuity gross, up to a maximum of EMPLOYEE
contribution % of annuity gross, if employee %
is less. (For example, if the employer % is .03
and the employee % is .02, the max would be .02.)

Contribution amount or %: _____ Object: _____ Balance: _____

**** Modify Mode ****

(ENTER)-Modify Record F1-Display Mode F28-Help Screen

ENTER ✓	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F15
F16	F17	F18									Help		

23.03.00

2023 Enhancements Medicare-only District

PCG Dist=8991 Rel=23.02.00 06/16/2023 DOD 001 SV K:\SYSTEM K:\SECOND WHITE

Status **Active** Update/Display Payroll Withholding/Direct Deposit Data **PAY08**

Employee number **88827** Name **AB3EU, ET3AN** Loc **302**
 Social security **999 08 8827**

State: Mar Stat **B** Allowance Mar **1** Dep **2** Withholding Code **0** Amt/% **.00**
 Federal: Mar Stat **M** 2020 W-4? **N** (Y or N) Withholding Code **0** Amt/% **.00**

W-4 Prior to 2020: Exempt **3**
 New 2020 W-4: Box 2 Two jobs flag **N** Box 4a Other income **.00**
 Box 3 Dependent amt **.00** Box 4b Deduction amt **.00**

Switches: Fed **Y** State **Y** **FICA Y** (Y=Yes N=No M=Medicare) AEIC **_**

Enable Direct Deposit Yes No

DD #	Bank	Name	Direct D
DD #1	C1	STRIDE BANK	11
DD #2	---	---	---
DD #3	---	---	---
DD #4	---	---	---
DD #5	---	---	---

Ded Desc	Ded	Annuity	Company
ANNUITY # 1	/ 01	---	---
ANNUITY # 2	/ 02	---	---
Annuity # 3	/ 00	---	---
Annuity # 4	/ 00	---	---
Annuity # 5	/ 00	---	---

Mode changed to update

ENTER ✓ F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12 F15

F16 ← F17 → F18 🗑️ Per Ded Grs W/H Lv Ytd Help Adj FICA Gar

23.02.00

FICA switch changed!

The employee's FICA switch is set to 'Y' to take full FICA!

Your school district identified as a 'Medicare-Only' school district.

Changes to the FICA switch will affect the employee's W-2 forms at year end.

Are you sure the FICA switch should be 'Y'?

Select OK to save changes anyway.
 Select CANCEL to redisplay the screen.

OK Cancel

2023 Enhancements New Employee Import

Add support for new import fields

- EEO-5 Job Code
- Background Check Date
- Local Salary
- Other Salary
- Prior Year Contract Months

2023 Enhancements

New Fields on Employee Import

Line	Empno	Status	SSN	First Name	Middle Name	Last Name	Prefix	Suffix	Pay Loc	Work Loc	Class	Job Code	CS1 Job	Address 1	Address 2	City
		A=Active I=Inactive		Max 15 Characters	Max 15 Characters	Max 20 Characters	Max 6 Char	Max 6 Char						Max 20 Characters	Max 20 Characters	Max 26 Characters

➤ **Note:** The PCG New Hire Multiple Import template is version **10.00**.

2023 Enhancements

Positive Pay

- ***Vendor Print Check Registers*** (F1, F4, F11, F4) allows the user to create a .csv output file containing the information printed on the Vendor Check Register.
- The export file contains:
 - Check amount
 - Check date
 - Bank account
 - Check number
 - Check status
 - Payee name

2023 Enhancements

Positive Pay

- The created export file can be sent to your bank to satisfy the requirements of **'Positive Pay'** for vendor check fraud prevention

2023 Enhancements

Positive Pay

AutoSave Off POSPAY20231030.CSV

File Home Insert Page Layout Formulas Data Review View Automate Help Team

Clipboard Font Alignment Number

A1 Check Amt

	A	B	C	D	E	F
1	Check Amt	Check Date	Bank Acct	Check No	Check Status	Payee Name
2	\$4,375.00	7/6/2022	11 111 1114	002910	ISSUED	VENDOR 006960
3	\$5,000.00	7/12/2022	11 111 1114	002911	ISSUED	VENDOR 005969
4	\$4,875.00	7/12/2022	11 111 1114	002912	ISSUED	VENDOR 006960
5	\$4,925.00	7/21/2022	11 111 1114	002916	ISSUED	VENDOR 006960
6	\$2,434.01	7/26/2022	11 111 1114	002917	ISSUED	VENDOR 000376
7	\$4,680.00	7/26/2022	11 111 1114	002918	ISSUED	VENDOR 006960
8	\$1,539.30	7/26/2022	11 111 1114	002919	ISSUED	VENDOR 005558
9	\$4,890.00	8/5/2022	11 111 1114	002920	ISSUED	VENDOR 006960
10	\$5,000.00	8/12/2022	11 111 1114	002921	ISSUED	VENDOR 005969
11	\$81,000.00	8/12/2022	11 111 1114	002922	ISSUED	VENDOR 007564
12	\$130,650.00	8/12/2022	11 111 1114	002923	ISSUED	VENDOR 005640
13	\$6,962.00	8/12/2022	11 111 1114	002924	ISSUED	VENDOR 007407
14	\$1,135.48	8/12/2022	11 111 1114	002925	ISSUED	VENDOR 006451
15	\$8,670.35	8/12/2022	11 111 1114	002926	ISSUED	VENDOR 008445

2023 Enhancements

Positive Pay

- ***Payroll Print Check Registers*** (F2, F11, F4) procedure has been enhanced to allow the user to create a .csv output file containing the information printed on the *Payroll Check Register*.
- The export file contains the following fields for checks or direct deposits:
 - Check amount
 - Check date
 - Bank account
 - Check number
 - Check status
 - Payee name

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New GHI Fields

GHI E-mail Preference:

- Designates whether the employee prefers to send their work e-mail address or their personal e-mail address to the State Health Benefits Program (SHBP)
- Valid values: ‘P’ for personal e-mail
 ‘W’ for work e-mail

Personal E-mail Address:

- The employee’s personal e-mail address

Work E-mail Address:

- The employee’s work e-mail address

New GHI Fields

Add New Employee

PCG Dist=8991 Rel=22.03.00 10/12/2022 DFO 002 SV K:\SYSTEM K:\SECOND WHITE

PAY01

Add New Employee

Status A -- Active HUDDLE, DEBRA H.

Emp. no. 33333 Pay Loc 101 Location 000101 Class 10 STAFF DEVELOP-SUBS

Sex Code F Work Loc 101 Location 000101 Job 2 CLASSROOM TEACHERS

Mar Stat S SSN 345 67 8901 EEO-5 Job 000 Undefined

Ethnic 2 WHITE

EEO-5 and CPI Ethnic/Race:
Hispanic/Latino Ethnicity?
 Yes No

Race (Select all that apply)
 Yes No Am Indian Alaskan
 Yes No Black
 Yes No White
 Yes No Asian
 Yes No Hawaiian Pacific

NAME First DEBRA Middle H.
Last HUDDLE Suffix _____ Prefix MS.

Address 1 WEST FIRST STREET Certificate Type _____
Address L2 APARTMENT 12 CS1 Job (from CPI) 000

City/State ATLANTA, GA Include on CPI ? Y
Zip Code 30000 County 000 Sick Bank ? N
Phone (444)555-6666 Substitute rank _____
Cell phone ()000-0000 Hours Per Day _____

Birth Date 11/01/1961 GHI Eligible ? Y Participate in GHI ? Y
Hire Date 1/01/2012 GHI BOE Trans? Y GHI Option B6 ANTHEM HMO
Rehire Date _____ GHI 1st Day Wrk 1/01/2012 GHI Tier 10 SINGLE
Term Date _____ GHI Coverage Start 2/01/2012 GHI Ded Cd 8
Term Reason _____ GHI Change Code NEMP

GHI Email Pref (W or P) P
Employee work e-mail: DHUDDLE@SMITHSCHOOLS.EDU
Employee personal e-mail: DHUDDLE@GMAIL.COM

Validations passed. Check screen 2 or save your changes.

22.03.00

ENTER ✓ F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12 F15 F16 F17 F18 Help

New GHI Fields

Update/Display Emergency Data

PCG Dist=8991 Rel=22.03.00 10/12/2022 DFO 002 SV K:\SYSTEM K:\SECOND WHITE PER02

Update/Display Emergency Data

Employee: 33333 HUDDLE, DEBRA H. Spouse: _____

Next of kin: _____ Relationship _____
Phone: ___ 000 0000

Emergency: _____ Relationship _____
Phone: ___ 000 0000

Doctor: _____ Phone: ___ 000 0000

Comments: _____

Employee work e-mail: DHUDDLE@SMITHSCHOOLS.EDU

Employee personal e-mail: DHUDDLE@GMAIL.COM

**Emergency Data is on the Personnel System Menu
F3, F1, F5**

Mode changed to update

ENTER = Validate, F8 = Update Record, F16 = Exit without Changes

ENTER ✓	F1 ▶	F2 ◀	F3 🖨	F4 📄	F5 ⏴	F6 ⏵	F7 ⏴	F8 📁	F9 🔄	F10 📏	F11 ▶	F12 ◀	F15 🔍
F16 ◀	F17 📄	F18 🗑					Per	ACA	Depts	Emer	Edu	Help	

22.02.00

Getting Ready for 2024 GHI

- GHI options B1, B2, B3, B6, H1, H2, and K1 are the same
- GHI tiers 10, 40, 90, 91, 94 – 97 are the same.
- Many GHI premium rates have changed for 2024.

Getting Ready for 2024 GHI

PCG Dist=8991 Rel=13.03.00 11/04/2013 DOD 001 SV C:\DEVSY S C:\SECOND GREEN

Display/Update Personnel Data PAY02

Status A -- Active AB3EU, ET3AN

Emp. no. 88942 Pay Loc 302 Location 000302 Class 14 FOOD SERVICE

Sex Code E Work Loc 302 Location 000302 Job 114 FOOD SERVICE

Mar Stat M SSN 999 08 8942 EEO-5 Job A16 Service Worker

EEO-5 Ethnic 2 WHITE

NAME First ET3AN Middle _____

Last AB3EU Suffix _____ Prefix _____

Address 2072 MAIN STREET Certificate Type B0

Address L2 _____ CS1 Job (from CPI) 410

City/State SMITH, GA Include on CPI ? Y

Hispanic/Latino Ethnicity? Yes No

Race (Select all that apply)

Yes No Am Indian Alaskan

Yes No Black

Yes No White

Yes No Asian

Yes No Hawai

5.000

TRS DOE Paid ERCON ?

Health ins flag Y

Participate in CPI ? Y

GHI Option B1 BCBS GOLD

GHI Tier 90 EESP

GHI Ded Cd 8

s, Phone, etc.

ding Code 0 Amt/% .00

ding Code 0 Amt/% .00

13.03.00

Help Adj FICA Gar

PCG Select GHI Code

Opt	Tier	Long Description	Short Desc
08		TRICARE SUPPLEMENT	TRISUP
B1		BCBS GOLD	BCBS GOLD
B2		BCBS SILVER	BCBS SILVER
B3		BCBS BRONZE	BCBS BRONZE
B6		BCBS HMO	BCBS HMO
H1		UHC HMO	UHC HMO
H2		UHC HDHP	UHC HDHP
K1		KAISER HMO	KAISER HMO
NC		NO COVERAGE OR COVERAGE WAIVED	WAIVED
NE		NOT ELIGIBLE FOR COVERAGE	NOT ELIGIBLE

Done Cancel

GHI Option from Benefit File

Getting Ready for 2024 GHI

PCG Dist=8991 Rel=13.03.00 11/04/2013 DOD 001 SV C:\DEV5YS C:\SECOND GREEN

Display/Update Personnel Data PAY02

Status A -- Active AB3EU, ET3AN

Emp. no. 88942 Pay Loc 302 Location 000302 Class 14 FOOD SERVICE

Sex Code F Work Loc 302 Location 000302 Job 114 FOOD SERVICE

Mar Stat M SSN 999 08 8942 EE0-5 Job A16 Service Worker

EE0-5 Ethnic 2 WHITE

NAME First ET3AN Middle _____

Last AB3EU Suffix _____ Prefix _____

Hispanic/Latino Ethnicity? Yes No

Address 2072 MAIN STREET Certificate Type B0 Race (Select all that apply)

Address L2 _____ CS1 Job (from CPI) 410 Yes No Am Indian Alaskan

City/State SMITH, GA Include on CPI ? Y Yes No Black

Zip Code 33333 County 160 Sick Bank ? N Yes No White

Phone (999)555-1058 Out of State Substitute rank _____ Yes No Asian

Yes No Hawai

TR S DOE Paid ERCON ? _____

Health ins flag Y

Participate in GHI ? Y

GHI Option B1 BCP GOLD

GHI Tier 90 EESP

GHI Ded Cd 8

ss, Phone, etc.

lding Code 0 Amt/% .00

lding Code 0 Amt/% .00

13.03.00

Help Adj FICA Gar

PCG Select GHI Code


Opt	Tier	Long Description	Short Desc
B1	10	SINGLE COVERAGE	SINGLE
B1	40	SINGLE COVERAGE TOBACCO SURCHARGE	SINGLE/T
B1	90	EMPLOYEE & SPOUSE	EESP
B1	91	EMPLOYEE & SPOUSE/TOBACCO SURCHARGE	EESP/T
B1	94	EMPLOYEE & CHILD(REN)	EECH
B1	95	EMPL & CHILD(REN)/TOBACCO SURCHARGE	EECH/T
B1	96	EMPLOYEE & SPOUSE & CHILD(REN)	FAMILY
B1	97	EMPL & SPOUSE & CHILD/TOBACCO SURCHAR	FAMILY/T

Done Cancel

GHI Tier from Benefit File

Getting Ready for 2024 GHI

How to Install 2024 GHI

- 1) Install PCGenesis Release 23.03.01. There will be instructions on how to upload the new 2024 GHI premium amounts into the Benefit Plan/Option/Tier Maintenance File.
- 2) Download the DCH open enrollment file.
- 3) Import State Health Options & Tiers from DCH File.
-  4) Set State Health Deduction Amount For Active Employees.

Getting Ready for 2024 GHI

How to Install Release 23.03.01

PCG Dist=8991 Rel=21.03.00 10/22/2021 DOD 002 SV C:\SQLSYS C:\SECOND YELLOW

Payroll System PAYM0000

FKey Master Menu

- 1 -- Payroll Setup Menu
- 2 -- Payroll Update Menu
- 3 -- Payroll Check & Direct Deposit Menu
- 4 -- Annual Reports Menu
- 5 -- Monthly/Quarterly/Fiscal/Biennial Reports Menu
- 8 -- Employee Reports/Labels Menu
- 9 -- Update/Display Description/Deduction/Annuity Menu**
- 10 -- Earnings History Menu
- 11 -- Check Reconciliation Menu
- 12 -- Update/Display Payroll Monitor
- 13 -- Special Functions Menu
- 20 -- File Reorganization

15.03.00

Master User List

F16 ← Que Word PAY MONITOR VEND MONITOR

Getting Ready for 2024 GHI

How to Install Release 23.03.01

```
PCG Dist=8991 Rel=23.03.00 10/30/2023 DOE 001 K:\SYSTEM K:\SECOND GREEN
Identify Benefit Plan/Option/Tier Premium Data Import File from Excel PAYPI280

Enter the import file path and name (e.g. C:\BENEDAT\SHBPCCYYRATES.CSU)
or F10 to Browse for file

K:\SECOND\PAYDATA\GHIRATES2024.csv

Enter = continue or F16 = Exit 23.02.00
```

Getting Ready for 2024 GHI

How to Install Release 23.03.01

```
PCG Dist=8991 Rel=20.03.00 11/05/2020 PCG 001 SV C:\SQLSYS C:\SECOND WHITE
PAYPI280

No errors in Benefit Plan/Option/Tier Premium Import File.

Press enter to load Benefit Plan/Option/Tier Premium Import File.

Press F16 to STOP Process

Press ENTER to process or F16 to exit program 17.01.00
```


Getting Ready for 2024 GHI

How to Install Release 23.03.01

PCG Dist=8991 Rel=23.03.00 10/30/2023 DOE 001 K:\SYSTEM K:\SECOND GREEN — □ ×

PAY27

Print Benefit Plan Option Tier File

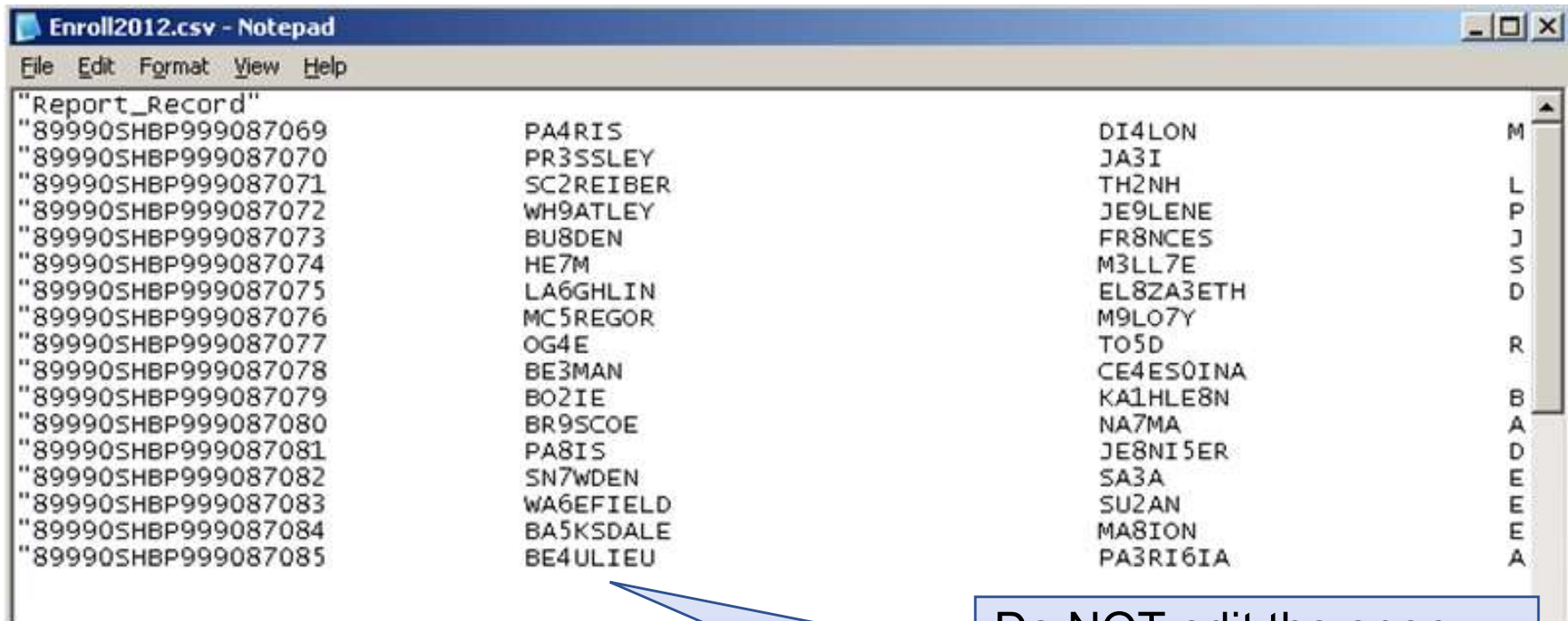
Report option: Employee premium rates
 Employer contribution amounts

Print rates in effect from: 1/01/2024 To: 12/31/2024

ENTER-Continue F16-Exit **12.03.00**

Getting Ready for 2024 GHI

- Download the DCH open enrollment file



```
Enroll2012.csv - Notepad
File Edit Format View Help
"Report_Record"
"89990SHBP999087069      PA4RIS      DI4LON      M
"89990SHBP999087070      PR3SSLEY    JA3I
"89990SHBP999087071      SC2REIBER   TH2NH      L
"89990SHBP999087072      WH9ATLEY    JE9LENE    P
"89990SHBP999087073      BU8DEN      FR8NCES    J
"89990SHBP999087074      HE7M        M3LL7E     S
"89990SHBP999087075      LA6GHLIN    EL8ZA3ETH  D
"89990SHBP999087076      MC5REGOR    M9LO7Y
"89990SHBP999087077      OG4E        TO5D       R
"89990SHBP999087078      BE3MAN      CE4ES0INA  B
"89990SHBP999087079      BO2IE       KA1HLE8N   A
"89990SHBP999087080      BR9SCOE     NA7MA      D
"89990SHBP999087081      PA8IS       JE8NI5ER   E
"89990SHBP999087082      SN7WDEN     SA3A       E
"89990SHBP999087083      WA6EFIELD   SUZAN      E
"89990SHBP999087084      BA5KSDALE   MA8ION     E
"89990SHBP999087085      BE4ULIEU    PA3RI6IA   A
```

Do NOT edit the open enrollment file in Microsoft Excel®. Editing the file in Excel causes the formatting of the file to change.

Getting Ready for 2024 GHI

Open Enrollment – Import GHI Option and Tier Elections

- Personnel System (F3)
- Special Functions Menu (F13)
- Import State Health Option & Tier from DCH File (**F6**)

Getting Ready for 2024 GHI

PCG Dist=8991 Rel=21.03.00 10/22/2021 DOD 002 SV C:\SQLSYS C:\SECOND YELLOW PER13P

Personnel System

Special Functions Menu

FKey

- 1 -- Modify Specific Deduction Amounts
- 4 -- Clear Current Deduction Amounts For All Employees
- 6 -- Import State Health Option & Tier From DCH File**
- 8 -- Set State Health Deduction Amount For Active Employees
- 9 -- Payroll Deduction Export
- 10 -- Load Deduction Import File

Next step: Import the Option & Tier File

Master User List Word PAY MONITOR VEND MONITOR

Getting Ready for 2024 GHI

Open Enrollment – Import GHI Option and Tier Elections

```
PCG Dist=8991 Rel=12.03.00 10/16/2012 DOD 001 C:\DEVSY5 C:\SECOND GREEN PERP1271
Import State Health Option And Tier From DCH File

This process will update the GHI Option and Tier for all employees
included in the open enrollment or monthly change file provided by
the Department of Community Health.

Select Optional Field to Update:

_ County of Residence

Enter the import file path and name OR F10 to Browse for file

C:\TEMP\ARCHIVE.CSU

Enter=Continue or F16=Exit 12.03.00
```

Getting Ready for 2024 GHI

Set GHI Deduction Amounts

- Personnel System (F3)
- Special Functions Menu (F13)
- Set State Health Deduction Amount For Active Employees (**F8**)

Getting Ready for 2024 GHI

PCG Dist=8991 Rel=21.03.00 10/22/2021 DOD 002 SV C:\SQLSYS C:\SECOND YELLOW PER13P

Personnel System

Special Functions Menu

FKey

- 1 -- Modify Specific Deduction Amounts
- 4 -- Clear Current Deduction Amounts For All Employees
- 6 -- Import State Health Option & Tier From DCH File
- 8 -- Set State Health Deduction Amount For Active Employees**
- 9 -- Payroll Deduction Export
- 10 -- Load Deduction Import File

Don't forget F8 - Set Deduction Amounts

Master User List Word PAY MONITOR VEND MONITOR

Getting Ready for 2024 GHI

Set GHI Deduction Amounts

PCG Dist=8991 Rel=23.03.00 10/30/2023 DOE 001 K:\SYSTEM K:\SECOND GREEN PER0150

Set State Health Deduction Amount For Active Employees
(All substitutes are skipped)

Trial mode to verify changes prior to updating? Y
Reduce premium amount by normal employer paid share? N
Split premium according to employee's pay schedule? Y

Set deductions to rates in effect on: 1/01/2024

The following SHBP system deductions will be modified by this process:

Ded Code	Ded Desc	Emplr Ind	Emplr Amt
8	NON-CERTIFIED MERIT	N	
9	CERTIFIED MERIT	N	

ENTER = Validate PF16 = Exit

ENTER ✓
F16 ←

23.02.00

Make sure to set the date to **01/01/2024**

After running in trial mode make sure to finish by running in **FINAL** mode by entering 'N'

Getting Ready for 2024 GHI

Set GHI Deduction Amounts

- Personnel System (F3)
- Special Functions Menu (F13)
- Set State Health Deduction Amount For Active Employees (F8)

REPORT DATE:10/27/2009 10:17		SHBP DEDUCTION UPDATE REPORT						Old	Old	New	New
Program ID: PER0150		*** TRIAL MODE - NO UPDATES ***						Amount	Flg	Amount	Flg
Emp Num	Employee Name	Work Loc	Class	Pay Periods	Ded Code	Plan Option	Plan Tier	Old Amount	Old Flg	New Amount	New Flg
087909	OG4E, B04IS	0188	06	12	09	58 10	10	0.00	Y	8.60	Y
089366	OG4E, EM4RSON	0188	03	12	08	31 99	99	162.58	Y	210.50	Y
088500	OL5ARY, PA5ULA	8012	66	12	08	58 91	91	207.10	Y	252.40	Y
088740	OM6LLEY, EF6AIN	8010	55	12	09	NE 00	00	0.00		0.00	
087836	OR2ELAS, CO2EMAN	0103	78	12	08	58 90	90	167.10	Y	192.40	Y
087827	OR2URKE, DE2A	8012	67	12	08	58 90	90	167.10	Y	192.40	Y
089937	PA2SON, DE2ETRIUS	0188	58	12	08	58 96	96	176.70	Y	203.00	Y
088474	PA2SON, LE2ISHA	0103	06	12	09	03 90	90	128.90	Y	150.40	Y
088105	PA2UETTE, O2ZE	0103	06	12	09	58 10	10	0.00	Y	8.60	Y
089605	PA3NELL, AD3NA	0103	09	12	09	03 94	94	120.80	Y	141.50	Y
089242	PA3ROTT, JO3AS	4050	62	12	08	58 40	40	40.00	Y	68.60	Y
088693	PA4LSEN, ST4RLING	0188	02	12	24	58 96	96	90.60	Y	116.90	Y
089894	PA4LSON, EL4ON	0196	26	12	09	03 90	90	128.90	Y	150.40	Y
087180	PH3LAN, DO3IA	2050	09	12	09	03 96	96	137.00	Y	159.30	Y
088361	PI2KENS, TI2ANY	4050	02	12	09	07 97	97	0.00		0.00	
** ERROR ** SHBP Option/Tier 07/97 not found in Benefit deduction file											
087379	PI4T, CL4SSIE	2050	28	12	09	55 10	10	0.00	Y	8.60	Y
087941	PO2DER, TI2N	0103	56	12	09	05 96	96	137.00	Y	159.30	Y

Agenda

- Introduction
- Migration to Database Technology
- C# Code Conversion
- What's Next
- Enhancements from 2023
- Getting Ready for 2024 GHI
- **PCGenesis Broadcast E-mail List**



PCGenesis User List

- The Ga DOE has created an e-mail user list for PCGenesis
- This is a discussion forum
- Users can broadcast an e-mail to all PCGenesis users enrolled in the group

PCGenesis User List

- We already have 209 registered users
- Any user involved with PCGenesis can join:
 - Financial Directors
 - Payroll Administrators
 - IT Specialists

PCGenesis User List

Those PCGenesis districts and RESAs that join the user list will be able to:

- Share ideas
- Discuss problems
- Have many more resources available for gaining insight into PCGenesis operations

PCGenesis User List

- Join by sending a blank e-mail to:
join-pcgenesis@list.doe.k12.ga.us
- After joining, users can take advantage of discussion forums by sending e-mails to:
pcgenesis@list.doe.k12.ga.us

Future Plans

Help us focus our efforts

- What major feature/function do you need?
- We welcome your input/requests in writing
- Complete the '**Comments and Requests**' today
- Provide your input during the discussions

Site Recommendations

- Upgrade any server > 3 to 5 years old
- Implement **Remote Desktop** access !!!!
- Weekly full system backup of **K:*.*** (Retain 3 weeks)
- Daily backups of data (**K:\SECOND** and **K:\PCGSQldb**) to CD/DVD/USB (Retain for 1 month)
- Document restore procedures for emergencies

PCGenesis Documentation



<http://www.gadoe.org/Technology-Services/PCGenesis/Pages/default.aspx>

PCGenesis Documentation

🏠 → Technology Services → Technology Services → PCGenesis

PCGenesis

Financial Accounting and Reporting System Operations Guide

Payroll System Operations Guide

Personnel System Operations Guide

Certified/Classified Personnel Information (CPI) System Operations Guide

Budget System Operations Guide

LUAS Manual

Technical System Operations Guide

Release Information

PCGenesis

- [Financial Accounting and Reporting System Operations Guide](#)
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Questions?



Thank you for attending!

