



Nevada P-20 to  
Workforce  
Research Data  
System



# Agenda

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- GOWINN Updates
- Annual Schedule Overview
- Program Activities
  - Onboarding
  - Data Refresh & Matching
  - Research
  - Cloud Migration
  - NPWR Forum
- Discussion and Actionable Items
  - Strategic Target Agencies
  - Identity Management Resolution (vote)
  - Governance (vote)

# GOWINN Updates

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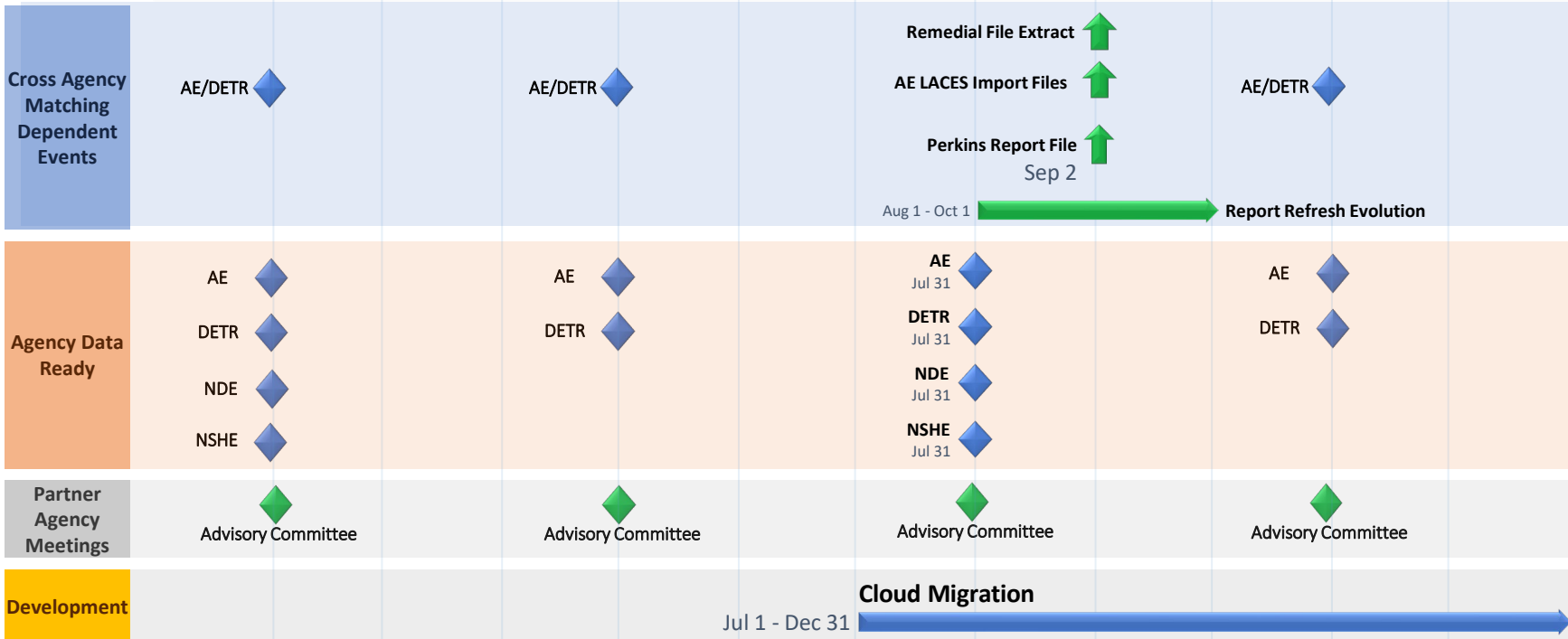
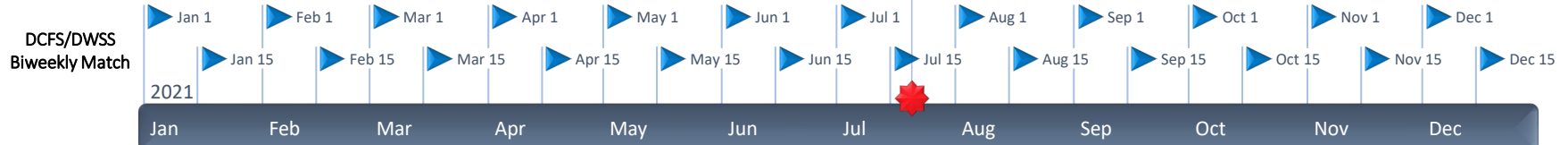
- Executive Director remarks
- NPWR Management Analyst Status
- NPWR Research Forum
- Coleridge Initiative



# Annual Schedule: October 13, 2022

Data Ladder License Expiration

Jul 21



# Major Activities: Onboarding

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- DETR
  - Title I data was not included due to issues with the MIS provider
  - Anticipated ETA unknown
- NDE
  - Early Childhood
  - Non-Graduate Data
  - Assessment
  - Foster Care
  - FRL & Direct Certification: SNAP, TANF, Medicaid, Homeless, Military Status
  - Courses
  - IEP
  - Migrant Status
  - Teacher (2023)



# Major Activities: Onboarding

- **Department of Motor Vehicles**
  - Agency approved data sharing through DETR
  - Validation of test extract completed
  - Production data expected by October 15
  - Data includes demographic data for matching includes, First, Middle, Last DOB, SSN
- Department of Corrections
  - Partner Agency approved
  - Coordinating Technical onboarding kick off
  - Onboarding ETA not identified
- Department of Veteran Services
  - Partner Agency approved
  - Technical onboarding commenced and working to identify data sets to onboard into NPWR
  - Onboarding ETA not identified yet

# Major Activities: Data Refresh & Matching

- Report refresh evolution ongoing
  - Issues identified with the DETR extract
  - Validating updated test extract, after validation is complete, we will receive production DETR extract and reprocess report refresh.
- Adult Education and Family Literacy Act Performance dashboard
  - Pending validation, dashboard is anticipated to be publicly available during the annual report refresh evolution
- CTE Outcomes across NSHE and DETR:
  - Pends promotion, validation and approval during the annual report refresh evolution
  - If approved, this will be a Private Report to authorized users and available as a part of the production promotion



# Major Activities: Data Refresh & Matching

- Cross Agency Matching
  - AE/DETR Quarterly match did not commence due to issues with transferring data to NPWR, this issue has been resolved
  - DETR Expect quarterly matching to commence next quarter
  - NDE will begin providing semi-annual data refreshes





# Major Activities: Research

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- NDE sponsoring RAND Corporation researchers
- GOWINN is sponsoring additional researchers into the program
- System overview being provided in October
- GOWINN sponsoring Research Forum
  - December 6: Northern Nevada Research Forum
  - December 8: Southern Nevada Research Forum
- Security Refresher:
  - Progressively permitted access (multiple checkpoints)
  - Agency controlled data release
  - Data does not contain PII (e.g. name, address, SSN, etc)
  - Random unique identifiers for each package
  - Data results removed from Research Portal after 10 days

# Major Activities: Cloud Migration

- Cloud migration in progress
  - Phase I – Validating configuration in the Test environment. Anticipate pushing to production by end of year.
    - Public Portal (in test)
    - PowerBI (in test)
  - Phase II – Anticipated completion June 2023
    - Research Portal
    - Private Reporting Portal
    - Governance Components
  - Phase III – Anticipated completion December 2023
    - Data Repositories
    - Matching Services
    - Data Manager
    - Data Adapters



# Discussion: Strategic Targets

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- Department of Employment, Training and Rehabilitation
  - Additional Title data
- Governor's Office of Economic Development (Research focus)
  - Potential synergy between GOWINN and GOED based on LEAP, WINN and Nevada Labor Supply Certification, further investigation and discussions required
- Department of Health and Human Services (Research focus)
  - Aging and Disability Services
  - Child and Family Services
  - Welfare and Supportive Services



# Discussion & Action: Identity Management Resolution

- Process in which USPI's are persisted
- Supports cross program and cross agency matching
- Accounts for demographic data changes
  - First/Middle/Last names due to marriage, adoption etc
  - Data entry error (mis-typed birthdates, names, etc)
  - Race/Ethnicity identification
  - Other demographic data changes
- Historical reports and numbers do not change
  - Eliminates time-consuming effort by agencies to validate historical reports.

# Discussion & Action: Identity Management Resolution

- Impacts Scope of Work (Attachment AA)

- Section 2
- Section 3.2
- Section 3.3

Section 2. Purpose. This Agreement is entered into by the NDE, NSHE, DETR, GOWINN, NDVS, and NDOC to link data between the four agencies through the Nevada Statewide Longitudinal Data System (SLDS), aka Nevada P-20 to Workforce Research Data System (NPWR). **The individuals will be matched anonymously within the data matching hub and assigned a unique identifier that enables analysis between the four agencies but de-identifies the individual so that no personally identifiable information is linked to the record.**

Section 3. Responsibilities of Parties.

3.1 GOWINN, NDE, NSHE, DETR, NDVS, and NDOC will provide access to record-level data for the purpose of: (1) matching individuals within the matching hub and creating a statewide unique identifier that serves to de-identify the individual; (2) generating reports by the four agencies; and, (3) approving researcher data requests.

3.2 **Ownership of data will be retained by each agency and will be stored on the agencies' servers with access to the data by the NPWR as necessary. No Personally Identifiable Information data is stored within the NPWR.**

3.3 **The individual data is de-identified within the matching hub. No personally identifiable data is stored beyond the time necessary to match and provide the unique ID.**



# Discussion & Action: Identity Management Resolution

- **Current:** Section 2. Purpose. This Agreement is entered into by the NDE, NSHE, DETR, GOWINN, NDVS, and NDOC to link data between the four agencies through the Nevada Statewide Longitudinal Data System (SLDS), aka Nevada P-20 to Workforce Research Data System (NPWR). The individuals will be matched anonymously within the data matching hub and assigned a unique identifier that enables analysis between the four agencies but de-identifies the individual so that no personally identifiable information is linked to the record.
- **Proposed - Section 2:** This agreement is entered into by the ~~NDE, NSHE, DETR, GOWINN, NDVS and NDOC~~ participating partner agencies to link data between the ~~##~~ partner agencies through the Nevada Statewide Longitudinal Data System (SLDS), aka Nevada P-20 to Workforce Research Data System (NPWR). The individuals will be matched ~~anonymously~~ within the matching server and assigned a unique identifier, these unique identifiers will be imported into the Data Hub to enable analysis between the ## agencies but de-identifies the individual so that no personally identifiable information is linked to the record. To increase the value for federal and state reporting requirements, the USPI's will persist for each matched individual. This requires the storage of personally identifiable information used to match. This information will be stored in the matching server. The matching server will continue to be a compartmentalized server with no connectivity to the rest of the NPWR solution except through intentional and manual methods completed by users authorized by the sponsor (GOWINN) and partner agencies and with the appropriate level of access, permissions, and requirements.

# Discussion & Action: Identity Management Resolution

- **Current:**
  - 3.2 Ownership of data will be retained by each agency and will be stored on the agencies' servers with access to the data by the NPWR as necessary. No Personally Identifiable Information data is stored within the NPWR.
- **Proposed - ~~Section 3.2:~~** ~~Ownership of data will be retained by each agency and will be stored on the agencies' servers with access to the data by the NPWR as necessary. No Personally Identifiable Information data is stored within the NPWR.~~
  - Recommend removing Section 3.2 entirely. NPWR technical provider hosts DETR data currently and recommend leaving opportunity for other agencies to hosted by technical provider if required.

# Discussion & Action: Identity Management Resolution

- **Current:**
  - 3.3 The individual data is de-identified within the matching hub. No personally identifiable data is stored beyond the time necessary to match and provide the unique ID.
- **Proposed - Section 3.3:** The individual data is de-identified within the matching server in the final output (crosswalk table). This cross-walk table is brought into the NPWR database for data retrieval requirements and contains no Personally Identifiable data. Personally Identifiable Data will be stored in the matching server persist the random unique identifier assigned to each individual. The matching server will continue to be a compartmentalized server with no connectivity to the rest of the NPWR solution except through intentional and manual methods completed by users authorized by the sponsor (GOWINN) and partner agencies and with the appropriate level of access, permissions, and requirements.



# Discussion & Action: Governance & Onboarding Process

- Current process is labor intensive due to agencies being required to resign documentation for each onboarding agency
- Effectively creates a barrier to entrance
- Recommend redesigned onboarding process
  - Due to Nevada's workforce initiatives and focus, NPWR is receiving unprecedented agency interest and is positioned to serve as the backbone for the workforce data needs
  - Reengineered onboarding process is advised to meet the demand for agency onboarding and remove the current administrative barrier to entrance