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| Substation Name: | Inspection 1 | Date: | |
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1.1. Available S&L Report: YES NO

Report Scores:

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|--|--|---|
| Overall: _____ | Overall Access Road Condition: _____ | Local Control Cabinet Condition: _____ |
| Overall Bus Structure Condition: _____ | Overall Bus Structure Condition: _____ | Overall Entry Gate Condition: _____ |
| Overall Perimeter Fence Condition: _____ | Overall Transformers Condition: _____ | Gas Insulated Substation Condition: _____ |
| Overall Yard Condition: _____ | Overall Grade Condition: _____ | |

1.2. Health Condition (Health) - Point Scoring System:

| Score Value | Health Condition |
|-------------|--|
| 4 | System like new (replaced or refurbished within the last five years) |
| 3 | System has been maintained with general operations and maintenance on a routine basis, no major issues noted |
| 2 | Deficiency were noted or components were out of service |
| 1 | Major issues noted causing a safety, reliability or unit output issue |
| 0 | End of life or not operational |

1.3. Repair Priority Code

| HIGH | MEDIUM | LOW |
|-----------|-------------|-------------|
| < 30 days | < 12 months | > 12 months |

Assessment:

| Group | Health (Score) | Comments |
|---|----------------|----------|
| Site Access/Civil | | |
| Fence | | |
| Yard | | |
| Structural and Foundations | | |
| Anchors | | |
| Grounding | | |
| Insulation | | |
| Hardware | | |
| Conductor | | |
| Disconnect Switches | | |
| Instrument Transformers & Lightning Arresters | | |
| Power Transformers | | |
| Circuit Breakers | | |
| Substation DC System | | |
| AC Station Service System | | |
| Protection Building | | |
| Protection/Telecommunication and SCADA Panels | | |
| Documentation (Drawings, Settings, etc.) | | |
| Protection and Control | | |
| SCADA | | |
| Telecommunications | | |
| Stock and Material | | |
| Substation Overall health Score | | |

Safety Concerns – Red Flags:

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| Substation Name: | Inspection 2 | Date: | |
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1.1. Available S&L Report: YES NO

Report Scores:

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|--|--|---|
| Overall: _____ | Overall Access Road Condition: _____ | Local Control Cabinet Condition: _____ |
| Overall Bus Structure Condition: _____ | Overall Bus Structure Condition: _____ | Overall Entry Gate Condition: _____ |
| Overall Perimeter Fence Condition: _____ | Overall Transformers Condition: _____ | Gas Insulated Substation Condition: _____ |
| Overall Yard Condition: _____ | Overall Grade Condition: _____ | |

1.2. Health Condition (Health) - Point Scoring System:

| Score Value | Health Condition |
|-------------|--|
| 4 | System like new (replaced or refurbished within the last five years) |
| 3 | System has been maintained with general operations and maintenance on a routine basis, no major issues noted |
| 2 | Deficiency were noted or components were out of service |
| 1 | Major issues noted causing a safety, reliability or unit output issue |
| 0 | End of life or not operational |

1.3. Repair Priority Code

| HIGH | MEDIUM | LOW |
|-----------|-------------|-------------|
| < 30 days | < 12 months | > 12 months |

Assessment:

| Group | Health (Score) | Comments |
|---|----------------|----------|
| Site Access/Civil | | |
| Fence | | |
| Yard | | |
| Structural and Foundations | | |
| Anchors | | |
| Grounding | | |
| Insulation | | |
| Hardware | | |
| Conductor | | |
| Disconnect Switches | | |
| Instrument Transformers & Lightning Arresters | | |
| Power Transformers | | |
| Circuit Breakers | | |
| Substation DC System | | |
| AC Station Service System | | |
| Protection Building | | |
| Protection/Telecommunication and SCADA Panels | | |
| Documentation (Drawings, Settings, etc.) | | |
| Protection and Control | | |
| SCADA | | |
| Telecommunications | | |
| Stock and Material | | |
| Substation Overall health Score | | |

Safety Concerns – Red Flags:

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| Substation Name: | Inspection 3 | Date: | |
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1.1. Available S&L Report: YES NO

Report Scores:

| | | |
|--|--|---|
| Overall: _____ | Overall Access Road Condition: _____ | Local Control Cabinet Condition: _____ |
| Overall Bus Structure Condition: _____ | Overall Bus Structure Condition: _____ | Overall Entry Gate Condition: _____ |
| Overall Perimeter Fence Condition: _____ | Overall Transformers Condition: _____ | Gas Insulated Substation Condition: _____ |
| Overall Yard Condition: _____ | Overall Grade Condition: _____ | |

1.2. Health Condition (Health) - Point Scoring System:

| Score Value | Health Condition |
|-------------|--|
| 4 | System like new (replaced or refurbished within the last five years) |
| 3 | System has been maintained with general operations and maintenance on a routine basis, no major issues noted |
| 2 | Deficiency were noted or components were out of service |
| 1 | Major issues noted causing a safety, reliability or unit output issue |
| 0 | End of life or not operational |

1.3. Repair Priority Code

| HIGH | MEDIUM | LOW |
|-----------|-------------|-------------|
| < 30 days | < 12 months | > 12 months |

Assessment:

| Group | Health (Score) | Comments |
|---|----------------|----------|
| Site Access/Civil | | |
| Fence | | |
| Yard | | |
| Structural and Foundations | | |
| Anchors | | |
| Grounding | | |
| Insulation | | |
| Hardware | | |
| Conductor | | |
| Disconnect Switches | | |
| Instrument Transformers & Lightning Arresters | | |
| Power Transformers | | |
| Circuit Breakers | | |
| Substation DC System | | |
| AC Station Service System | | |
| Protection Building | | |
| Protection/Telecommunication and SCADA Panels | | |
| Documentation (Drawings, Settings, etc.) | | |
| Protection and Control | | |
| SCADA | | |
| Telecommunications | | |
| Stock and Material | | |
| Substation Overall health Score | | |

Safety Concerns – Red Flags:

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| Substation Name: | Inspection 4 | Date: | |
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1.1. Available S&L Report: YES NO

Report Scores:

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|------------------------------------|-----|----------------------------------|-----|-------------------------------------|-----|
| Overall: | ___ | Overall Access Road Condition: | ___ | Local Control Cabinet Condition: | ___ |
| Overall Bus Structure Condition: | ___ | Overall Bus Structure Condition: | ___ | Overall Entry Gate Condition: | ___ |
| Overall Perimeter Fence Condition: | ___ | Overall Transformers Condition: | ___ | Gas Insulated Substation Condition: | ___ |
| Overall Yard Condition: | ___ | Overall Grade Condition: | ___ | | |

1.2. Health Condition (Health) - Point Scoring System:

| Score Value | Health Condition |
|-------------|--|
| 4 | System like new (replaced or refurbished within the last five years) |
| 3 | System has been maintained with general operations and maintenance on a routine basis, no major issues noted |
| 2 | Deficiency were noted or components were out of service |
| 1 | Major issues noted causing a safety, reliability or unit output issue |
| 0 | End of life or not operational |

1.3. Repair Priority Code

| HIGH | MEDIUM | LOW |
|-----------|-------------|-------------|
| < 30 days | < 12 months | > 12 months |

Assessment:

| Group | Health (Score) | Comments |
|---|----------------|----------|
| Site Access/Civil | | |
| Fence | | |
| Yard | | |
| Structural and Foundations | | |
| Anchors | | |
| Grounding | | |
| Insulation | | |
| Hardware | | |
| Conductor | | |
| Disconnect Switches | | |
| Instrument Transformers & Lightning Arresters | | |
| Power Transformers | | |
| Circuit Breakers | | |
| Substation DC System | | |
| AC Station Service System | | |
| Protection Building | | |
| Protection/Telecommunication and SCADA Panels | | |
| Documentation (Drawings, Settings, etc.) | | |
| Protection and Control | | |
| SCADA | | |
| Telecommunications | | |
| Stock and Material | | |
| Substation Overall health Score | | |

Safety Concerns – Red Flags:

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| Substation Name: | Inspection 5 | Date: | |
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1.1. Available S&L Report: YES NO

Report Scores:

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|--|--|---|
| Overall: _____ | Overall Access Road Condition: _____ | Local Control Cabinet Condition: _____ |
| Overall Bus Structure Condition: _____ | Overall Bus Structure Condition: _____ | Overall Entry Gate Condition: _____ |
| Overall Perimeter Fence Condition: _____ | Overall Transformers Condition: _____ | Gas Insulated Substation Condition: _____ |
| Overall Yard Condition: _____ | Overall Grade Condition: _____ | |

1.2. Health Condition (Health) - Point Scoring System:

| Score Value | Health Condition |
|-------------|--|
| 4 | System like new (replaced or refurbished within the last five years) |
| 3 | System has been maintained with general operations and maintenance on a routine basis, no major issues noted |
| 2 | Deficiency were noted or components were out of service |
| 1 | Major issues noted causing a safety, reliability or unit output issue |
| 0 | End of life or not operational |

1.3. Repair Priority Code

| HIGH | MEDIUM | LOW |
|-----------|-------------|-------------|
| < 30 days | < 12 months | > 12 months |

Assessment:

| Group | Health (Score) | Comments |
|---|----------------|----------|
| Site Access/Civil | | |
| Fence | | |
| Yard | | |
| Structural and Foundations | | |
| Anchors | | |
| Grounding | | |
| Insulation | | |
| Hardware | | |
| Conductor | | |
| Disconnect Switches | | |
| Instrument Transformers & Lightning Arresters | | |
| Power Transformers | | |
| Circuit Breakers | | |
| Substation DC System | | |
| AC Station Service System | | |
| Protection Building | | |
| Protection/Telecommunication and SCADA Panels | | |
| Documentation (Drawings, Settings, etc.) | | |
| Protection and Control | | |
| SCADA | | |
| Telecommunications | | |
| Stock and Material | | |
| Substation Overall health Score | | |

Safety Concerns – Red Flags:

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|------------------|--------------|-------|--|
| Substation Name: | Inspection 6 | Date: | |
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1.1. Available S&L Report: YES NO

Report Scores:

| | | | | | |
|------------------------------------|-------|----------------------------------|-------|-------------------------------------|-------|
| Overall: | _____ | Overall Access Road Condition: | _____ | Local Control Cabinet Condition: | _____ |
| Overall Bus Structure Condition: | _____ | Overall Bus Structure Condition: | _____ | Overall Entry Gate Condition: | _____ |
| Overall Perimeter Fence Condition: | _____ | Overall Transformers Condition: | _____ | Gas Insulated Substation Condition: | _____ |
| Overall Yard Condition: | _____ | Overall Grade Condition: | _____ | | |

1.2. Health Condition (Health) - Point Scoring System:

| Score Value | Health Condition |
|-------------|--|
| 4 | System like new (replaced or refurbished within the last five years) |
| 3 | System has been maintained with general operations and maintenance on a routine basis, no major issues noted |
| 2 | Deficiency were noted or components were out of service |
| 1 | Major issues noted causing a safety, reliability or unit output issue |
| 0 | End of life or not operational |

1.3. Repair Priority Code

| HIGH | MEDIUM | LOW |
|-----------|-------------|-------------|
| < 30 days | < 12 months | > 12 months |

Assessment:

| Group | Health (Score) | Comments |
|---|----------------|----------|
| Site Access/Civil | | |
| Fence | | |
| Yard | | |
| Structural and Foundations | | |
| Anchors | | |
| Grounding | | |
| Insulation | | |
| Hardware | | |
| Conductor | | |
| Disconnect Switches | | |
| Instrument Transformers & Lightning Arresters | | |
| Power Transformers | | |
| Circuit Breakers | | |
| Substation DC System | | |
| AC Station Service System | | |
| Protection Building | | |
| Protection/Telecommunication and SCADA Panels | | |
| Documentation (Drawings, Settings, etc.) | | |
| Protection and Control | | |
| SCADA | | |
| Telecommunications | | |
| Stock and Material | | |
| Substation Overall health Score | | |

Safety Concerns – Red Flags:

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|------------------|--------------|-------|--|
| Substation Name: | Inspection 7 | Date: | |
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1.1. Available S&L Report: YES NO

Report Scores:

| | | | | | |
|------------------------------------|-------|----------------------------------|-------|-------------------------------------|-------|
| Overall: | _____ | Overall Access Road Condition: | _____ | Local Control Cabinet Condition: | _____ |
| Overall Bus Structure Condition: | _____ | Overall Bus Structure Condition: | _____ | Overall Entry Gate Condition: | _____ |
| Overall Perimeter Fence Condition: | _____ | Overall Transformers Condition: | _____ | Gas Insulated Substation Condition: | _____ |
| Overall Yard Condition: | _____ | Overall Grade Condition: | _____ | | |

1.2. Health Condition (Health) - Point Scoring System:

| Score Value | Health Condition |
|-------------|--|
| 4 | System like new (replaced or refurbished within the last five years) |
| 3 | System has been maintained with general operations and maintenance on a routine basis, no major issues noted |
| 2 | Deficiency were noted or components were out of service |
| 1 | Major issues noted causing a safety, reliability or unit output issue |
| 0 | End of life or not operational |

1.3. Repair Priority Code

| HIGH | MEDIUM | LOW |
|-----------|-------------|-------------|
| < 30 days | < 12 months | > 12 months |

Assessment:

| Group | Health (Score) | Comments |
|---|----------------|----------|
| Site Access/Civil | | |
| Fence | | |
| Yard | | |
| Structural and Foundations | | |
| Anchors | | |
| Grounding | | |
| Insulation | | |
| Hardware | | |
| Conductor | | |
| Disconnect Switches | | |
| Instrument Transformers & Lightning Arresters | | |
| Power Transformers | | |
| Circuit Breakers | | |
| Substation DC System | | |
| AC Station Service System | | |
| Protection Building | | |
| Protection/Telecommunication and SCADA Panels | | |
| Documentation (Drawings, Settings, etc.) | | |
| Protection and Control | | |
| SCADA | | |
| Telecommunications | | |
| Stock and Material | | |
| Substation Overall health Score | | |

Safety Concerns – Red Flags:

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|-------------------------|--------------|--------------|--|
| Substation Name: | Inspection 8 | Date: | |
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1.1. Available S&L Report: YES NO

Report Scores:

| | | |
|--|--|---|
| Overall: _____ | Overall Access Road Condition: _____ | Local Control Cabinet Condition: _____ |
| Overall Bus Structure Condition: _____ | Overall Bus Structure Condition: _____ | Overall Entry Gate Condition: _____ |
| Overall Perimeter Fence Condition: _____ | Overall Transformers Condition: _____ | Gas Insulated Substation Condition: _____ |
| Overall Yard Condition: _____ | Overall Grade Condition: _____ | |

1.2. Health Condition (Health) - Point Scoring System:

| Score Value | Health Condition |
|-------------|--|
| 4 | System like new (replaced or refurbished within the last five years) |
| 3 | System has been maintained with general operations and maintenance on a routine basis, no major issues noted |
| 2 | Deficiency were noted or components were out of service |
| 1 | Major issues noted causing a safety, reliability or unit output issue |
| 0 | End of life or not operational |

1.3. Repair Priority Code

| HIGH | MEDIUM | LOW |
|-----------|-------------|-------------|
| < 30 days | < 12 months | > 12 months |

Assessment:

| Group | Health (Score) | Comments |
|---|----------------|----------|
| Site Access/Civil | | |
| Fence | | |
| Yard | | |
| Structural and Foundations | | |
| Anchors | | |
| Grounding | | |
| Insulation | | |
| Hardware | | |
| Conductor | | |
| Disconnect Switches | | |
| Instrument Transformers & Lightning Arresters | | |
| Power Transformers | | |
| Circuit Breakers | | |
| Substation DC System | | |
| AC Station Service System | | |
| Protection Building | | |
| Protection/Telecommunication and SCADA Panels | | |
| Documentation (Drawings, Settings, etc.) | | |
| Protection and Control | | |
| SCADA | | |
| Telecommunications | | |
| Stock and Material | | |
| Substation Overall health Score | | |

Safety Concerns – Red Flags:

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